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Educational specifications are presented for the development of a health occupations education center that would provide coordinated instruction in health-related occupations. Detailed descriptions are presented of the activities, space allocations, spatial relationships, equipment, and special environmental conditions for each of the ten sections of the complex--nursing, medical, dental, resource materials center, student-faculty center, administration complex, warehouse and maintenance, instructional auditorium, core, and lockers. (FS)

ED031902

EDUCATIONAL SPECIFICATIONS FOR THE HEALTH OCCUPATIONS EDUCATION CENTER

PERALTA JUNIOR COLLEGE DISTRICT

U.S. DEPARTMENT Of HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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THE PROJECT

This publication is intended to transmit the concepts involved in a Health Occupations Education Center.

This project has extended over a period of two years and was divided into two distinct phases. Research during Phase I consisted of a Health Careers Survey conducted cooperatively by the Peralta Junior College District and the School Planning Laboratory, Stanford University.

The primary objective of Phase I was to examine the feasibility of increasing the supply of auxiliary health personnel to meet the manpower needs of health care services in the geographical area served by the Peralta Junior College District.

One of the first organizational actions was to create an Advisory Council with representation from community and governmental agencies concerned with health care services. This group assisted in developing the procedural steps in the survey and in gathering research data.

As one part of the survey, a current manpower picture was developed through interviews and questionnaires. Without exception, needs were indicated in all existing health service categories. The need for trained personnel in new health occupations was identified. The conclusion of the survey indicated a widening gap between NEED and SUPPLY.

The Survey concluded that inefficiency in the use of human and economic resources has resulted through: (1) Duplication of services, and (2) Fragmentation of training programs.

Several approaches were considered as short-term measures, however, none of these suggestions were evaluated as sufficient effort.

The long-range plan concerned the development of a Health Occupations Education Center that would provide coordinated instruction in health-related occupations. The most desirable location for such a facility seemed to be near available clinical facilities in the City of Oakland.

The location of an *educational* complex near *clinical* facilities would provide numerous advantages including:

1. Joint usage of laboratory and lecture spaces by educational and clinical organizations.
2. Joint usage of teaching and clinical personnel for instructional purposes.
3. Increased coordination in health occupations education programs.
4. Increased efficiency in integrating course and laboratory work with clinical training experiences.

Based on this need established in Phase I, continuation of the study into a second phase seemed desirable.

Phase II involved the development of an innovative college program designed to meet the health and manpower NEEDS of the community. This required, first, curriculum development and course identification, and second, written educational specifications based on the educational programs.

The need for such a complex and the continuation of research was widely recognized. Funding to conduct Phase II was provided by a consortium consisting of eight Alameda County Hospitals, Educational Facilities Laboratories, Inc., and the Peralta Junior College District.

The educational specifications are the product of the Phase II study and present descriptions of the activities, space allocations, spatial relationships, equipment, and special environmental conditions.

This report does not attempt to answer all questions evoked during the course of the study. It is intended to be a guide for school officials and architects. Therefore, this report rather than being considered as a prescriptive document should be subject to continued evaluation and revision as new data become available.

ASSUMPTIONS

Several basic assumptions have been made concerning the Health Occupations Education Center ranging from those completely under the control of the Board of Trustees and the administration of the District to some largely beyond their control.

It should be clear that if either: (1) The basic assumptions are incorrect, or (2) Conditions in the future change so formerly valid assumptions are no longer reliable, then these specifications must be altered.

I. ***Student Capacity.*** To meet the manpower needs as reflected by Phase I Research, it was assumed that the Center should be programmed for an F.T.E. enrollment of 2400 students.

II. ***Non-Comprehensive Nature.*** The Center is intended to be non-comprehensive in nature. It will be staffed and equipped only to offer day and evening programs in health occupations curricula.

III. ***Extended-Day Program.*** An extended-day and evening program will be developed permitting retraining and upgrading. These students will attend classes in the buildings constructed for the regular day students.

IV. ***Curriculum Trilogy.*** The Center will serve as one part of a trilogy in the curriculum of health occupations. The comprehensive or general education courses are delegated to the four junior college campuses in the District. The health-related courses will be located at the Center. Actual training settings and clinical work

will take place in hospitals, nursing homes, or medical offices.

V. ***Simulated Clinical Experience.*** The Center will offer a simulated clinical setting. This experience is defined as "the health-related knowledge gained in a laboratory situation using models or student exchange practice."

All clinical training will take place in hospitals, nursing homes, or private offices. Clinical experience is defined as "the knowledge gained from observing or treating actual patients."

VI. ***Clinical Availability.*** The critical need of clinical settings varies according to each health occupation program. It is assumed that adequate clinical facilities will be available for the projected number of students.

VII. ***Students.*** It is necessary to provide a program, in an attractive center, with qualified instructors, in fields that offer career opportunities, before students will enroll in the quantity for which the Education Center is planned. It is assumed that these factors will be combined to attract students.

VIII. ***Qualified Staff.*** A large number of qualified professional people will be needed to staff the Education Center. The range of skills and levels of technical competence required vary for each program. However, it is assumed that qualified instructors can be recruited.

IX. ***Cost.*** The construction and annual operational cost for the Center will approach that of a small college. With an increasing concern at the national level for trained technicians it is assumed that additional federal monies will be available to construct, equip, and possibly staff this Center.

X. ***Core Curriculum.*** It is assumed a *core* curriculum will be established at the Center. Such a course would enroll students from the dental, medical, and nursing fields.

XI. ***Magnet.*** Recognizing that inter-district agreements and the location of certain specialized educational facilities will result in pupil migration between districts, it is assumed that this Center will serve as a *magnet* and cause an in-flow of students.

There should be a variety of teaching-learning spaces in this Center. Academic classrooms should be designed to accommodate instruction in a variety of subjects. In contrast, special instructional areas, such as those for X-ray or chair-side dental assisting, will be designed and equipped for particular aspects of the educational program.

INSTRUCTIONAL

Instruction will be organized to include the following:

Large Group (over 60). The large group instruction areas must be centrally located and accessible to all other classrooms and laboratories. These areas should be divisible by means of movable partitions to permit the conducting of several classes.

Intermediate Group (18–30). This group traditionally has met in a setting known as the "conventional classroom." These spaces will be used to complement instruction in the large group.

Laboratory Group (4–16). This group will meet in specially designed and equipped spaces that serve a particular occupational area, e.g., X-ray technician.

Individual Study. Students will assume more responsibility and self-direction for their learning.

Study carrels will be provided for independent study. These carrels should allow dial retrieval of audio-video information.

DESIGN

Flexibility. Flexibility should be provided so space size and configuration may change as the educational program evolves. This would imply that interior walls be designed so they are movable to provide the desired space.

Flexibility must also be included in the design of lighting, heating, sonics and aethetics so as changes are made in classroom or laboratory size, optimum environmental conditions will be maintained.

Audio-Video. The Center requires a television distribution system which will accommodate transmissions originated away from the campus (open-circuit television), as well as internally originated programs (closed-circuit television). Every instructional space should have enough monitors to permit distribution of televised images to all students. Teaching stations should have projection screens to accommodate the use of projectors, e.g., slide, overhead, 16 mm. and opaque, without incurring the *keystone* effect.

Computer Aided Instruction. Computer aided instruction provides teaching that takes into account individual rates of learning. The use of computers for instruction is presently in the experimental stage. It seems logical that computer-aided instruction will become an integral part of higher education instructional procedures.

SPACE PROJECTION

In the autumn of 1967 a survey explored twenty-eight health-related occupations. From this group, twenty-two occupational areas were selected as the most relevant for further curriculum development. These curricula were studied to determine whether the course should be taught at the:

1. Junior College campus
2. Health Occupations Education Center
3. Clinical setting, e.g., hospital or nursing home.

Each course was analyzed as to the number of student contact hours in lecture and laboratory situations, the number of quarters required to complete course requirements for each occupational area, the projected student enrollment for each occupational area, and *ideal* class size.

These figures were used to determine the number of classes meeting weekly. To this was applied a factor of room utilization for lecture and laboratory classes. This yielded the number of spaces needed to accommodate the educational program at the Center and was used as the guide in allocating space in the Nursing, Medical, and Dental sections that appear later in this publication.

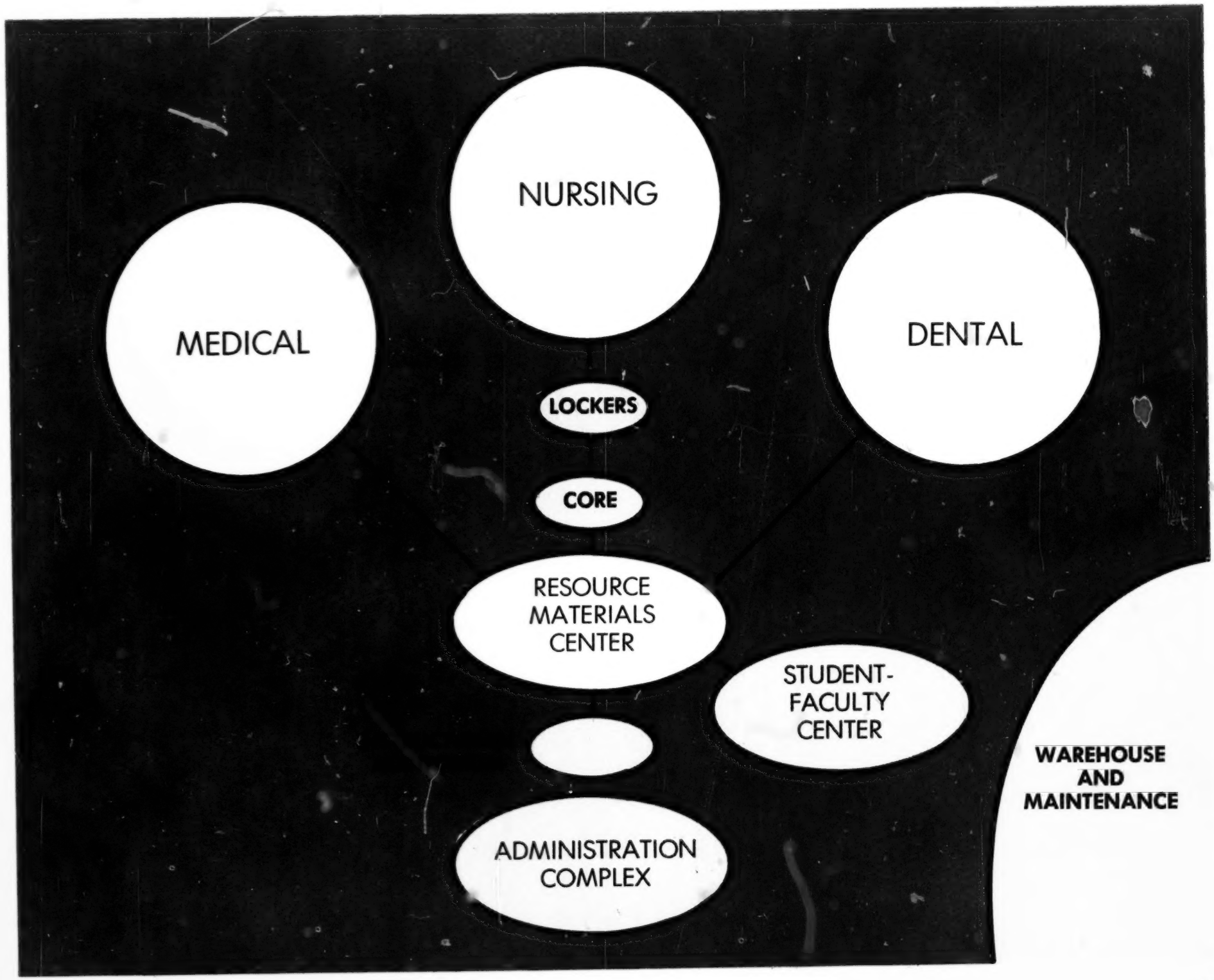
SPACE ALLOCATION

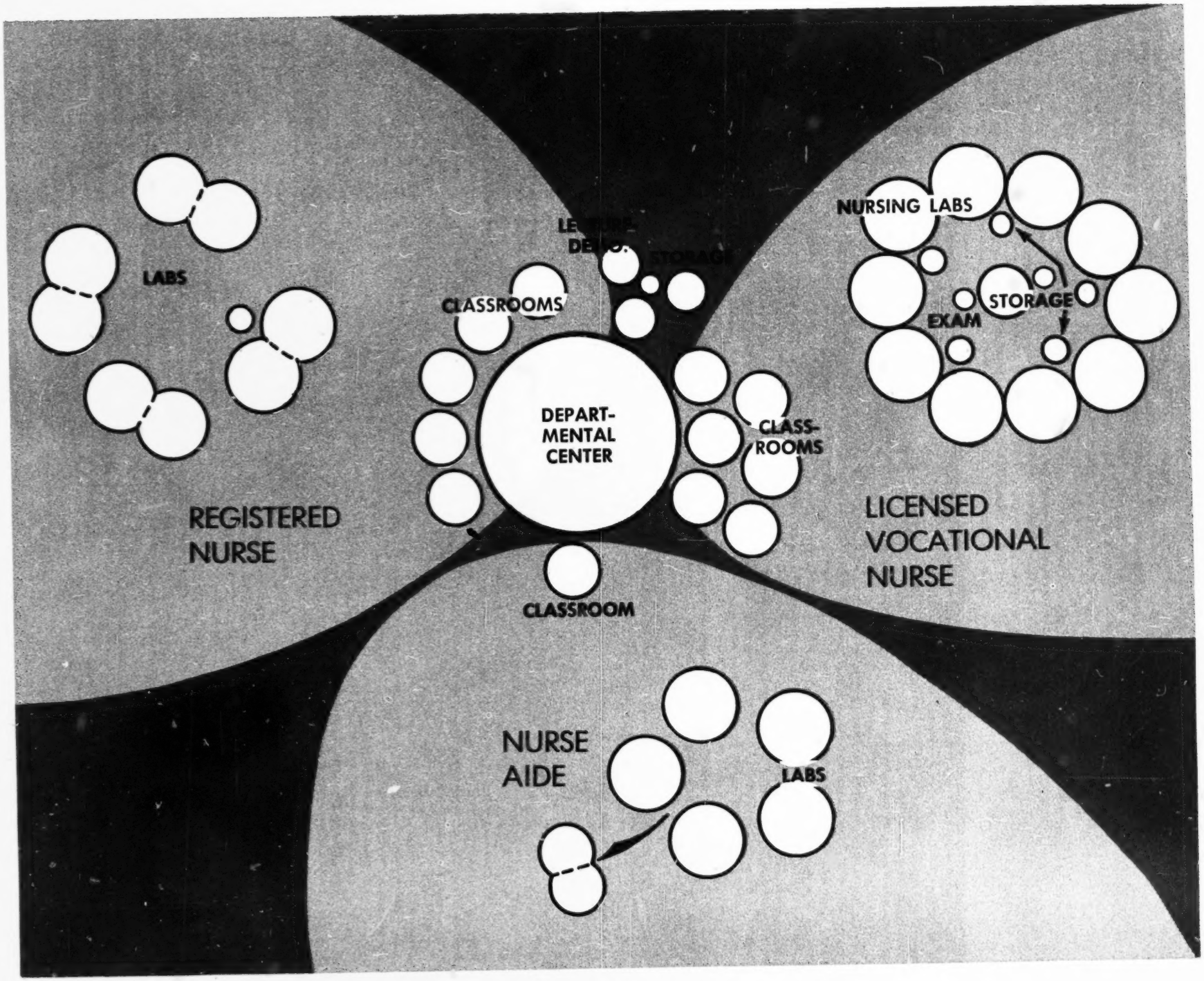
The space allocations are based primarily on *ideal* class size, projected enrollments, the number of student contact hours, and information received from the staff of the Peralta Junior College District. The mix of space allocation must be adjusted as the program evolves and as the community needs change.

The following table contains a *summary* of educational space needed for each area. To this must be added the area required for circulation, mechanical, structural, and service purposes. This will vary according to architectural design and site location.

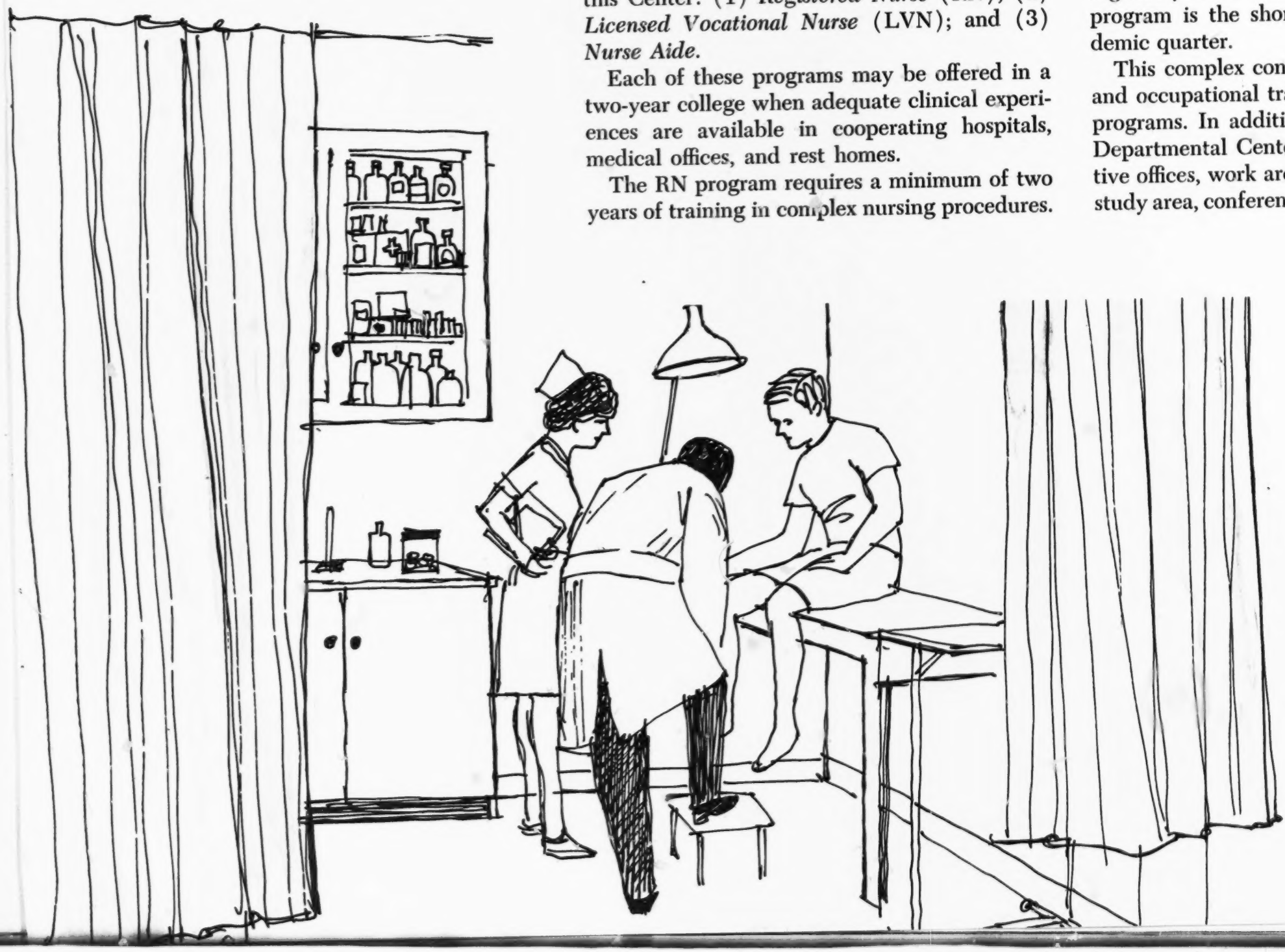
Summary of Educational Space Allocations

		SQUARE FEET
I.	*Nursing*	39,875
II.	*Medical*	59,450
III.	*Dental*	26,125
IV.	*RMC*	25,705
V.	*Student/Faculty Center*	19,910
VI.	*Administration Complex*	4,200
VII.	*Warehouse and Maintenance*	7,600
VIII.	*Instructional Auditorium*	4,500
IX.	*Core*	9,200
X.	*Lockers*	5,160
	Total	201,725


NURSING
MEDICAL
DENTAL
LOCKERS
CORE
RESOURCE MATERIALS CENTER
STUDENT-FACULTY CENTER
WAREHOUSE AND MAINTENANCE
ADMINISTRATION COMPLEX


LABS
CLASSROOMS
STORAGE
NURSING LABS
STORAGE
EXAM
DEPART-
MENTAL
CENTER
CLASS-
ROOMS
REGISTERED
NURSE
LICENSED
VOCATIONAL
NURSE
CLASSROOM
NURSE
AIDE
LABS

NURSING



Three nursing programs have been identified for this Center: (1) *Registered Nurse* (RN); (2) *Licensed Vocational Nurse* (LVN); and (3) *Nurse Aide.*

Each of these programs may be offered in a two-year college when adequate clinical experiences are available in cooperating hospitals, medical offices, and rest homes.

The RN program requires a minimum of two years of training in complex nursing procedures. The LVN program is shorter in duration, requiring one year of training; while the Nurse Aide program is the shortest, lasting only one academic quarter.

This complex contains the primary academic and occupational training areas for the nursing programs. In addition, space is provided for a Departmental Center that includes administrative offices, work area for secretaries, individual study area, conference rooms, and faculty offices.

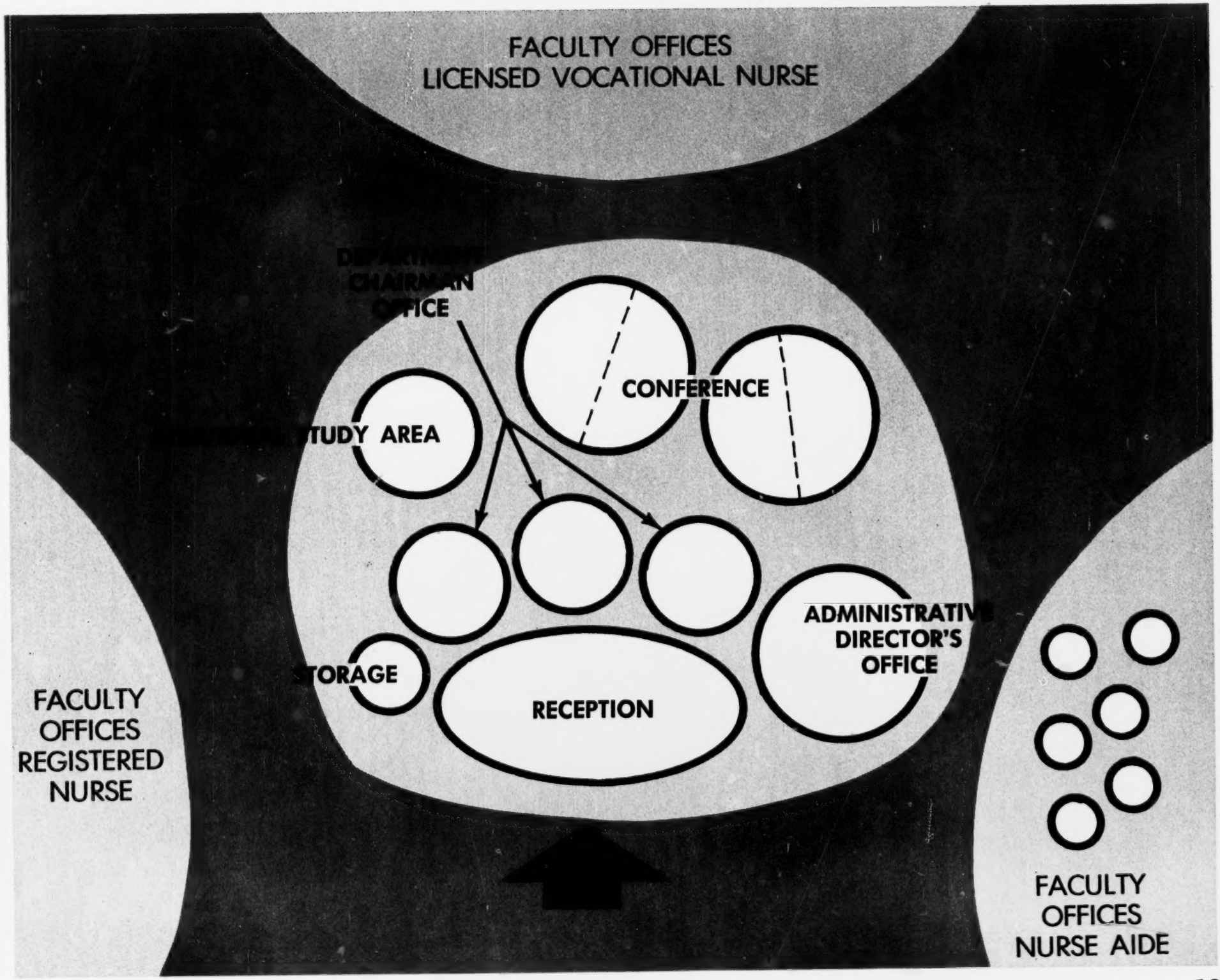
	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
REGISTERED NURSE COMPLEX	—	—	9,300	*Student engages in activities related to nursing, ethical and legal considerations, historical background, medical-social problems, patient care, patient-nurse relationship, and body mechanics.*
1. ***Bed Lab*** (ea. @ 800 sq. ft.)	16	2	1,600	• Space for 8 hospital beds (electric and manual), bedside units, overbed tables, footstools, wheelchair, wheeled stretcher, and soiled linen hopper. • Movable screens between beds. • Provide sink, hot-cold water, and storage. • Direct access to centralized Storage Room. • Minimum 46″ door width. • Separate Bed Labs with movable partition. • Relate to Work Lab I, Work Lab II, and Lecture Lab.
a. Storage Room	—	1	200	• Storage for bed linen and equipment. • Direct access to Bed Labs.
2. ***Work Lab I*** (ea. @ 700 sq. ft.)	16	2	1,400	• Stand-up work area. • Perimeter work counter, locked storage, sinks, and hot-cold water. • Instrument cabinet, scales, autoclave, and infant crib. • Relate to centralized Storage Room and other RN Labs. • Separate Labs with movable partition.
3. ***Work Lab II*** (ea. @ 700 sq. ft.)	16	2	1,400	• Sit-down activities. • Perimeter counter with storage, sinks and hot-cold water. • Tables and chairs for small group discussion. • Separate Labs with movable partition. • Relate to centralized Storage Room and other RN Labs.

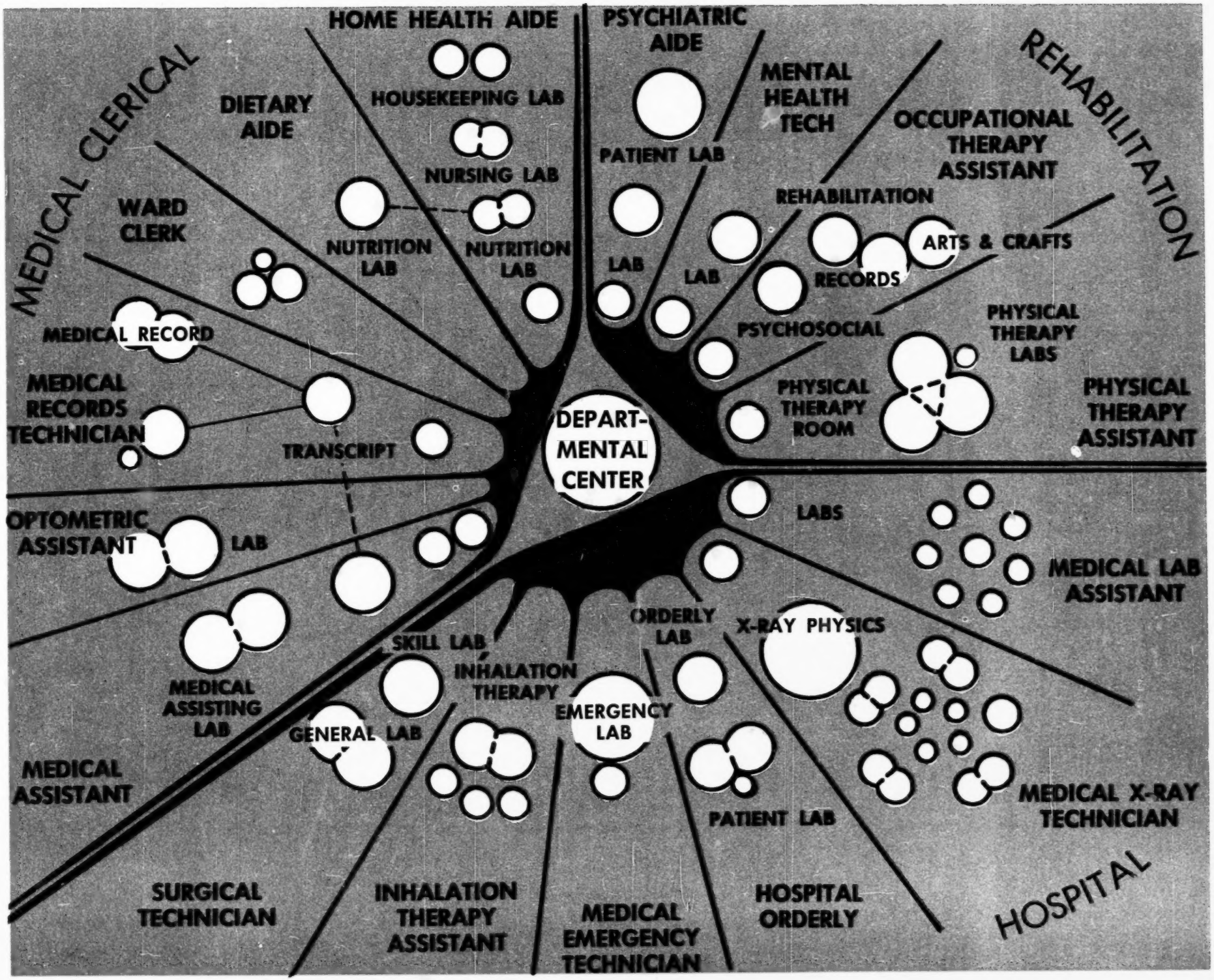
	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
4. *Lecture-Lab* (ea. @ 600 sq. ft.)	16	2	1,200	• Lecture setting or students paired for learning activity. • Provide 8 tables. • Relate to other RN Labs and centralized Storage Room.
5. *Classroom* (ea. @ 700 sq. ft.)	30	5	3,500	• Lecture setting for 30 students. • Chalkboard, tackboard, AV projection screen, and portable demonstration table. • Storage for charts and teaching aids. • Relate to Departmental Center and RN Labs.
Anatomy/Physiology/Bacteriology	—	0	—	*Core*
LVN COMPLEX	—	—	**15,600**	*Instructional activities related to general nursing functions, daily patient hygiene, nursing skills, legal responsibilities, and effects of medical care.*
1. *Lecture-Demonstration* (ea. @ 700 sq. ft.)	30	3	2,100	• Portable demonstration table. • Patient unit, hospital bedside unit, footstool, screen, sink, and hot-cold water. • Minimum door width of 46″. • Direct access to centralized Storage Room.
a. Storage Room	—	1	200	• Central storage for models, equipment, beds, and linens. • Direct access to LVN Lecture-Demonstration rooms.
2. *Nursing Lab* (ea. @ 800 sq. ft.)	16	10	8,000	• Space for 8 hospital beds (manual and electric), bedside units, and overbed tables. • Movable screens between beds. • Doors minimum 46″ clearance. • Utility area includes sterilizer, sink, hot-cold water, and storage. • Wheelchair, wheeled stretcher, and guerney. • Labs separated with movable partitions. • Relate to centralized Storage Room.

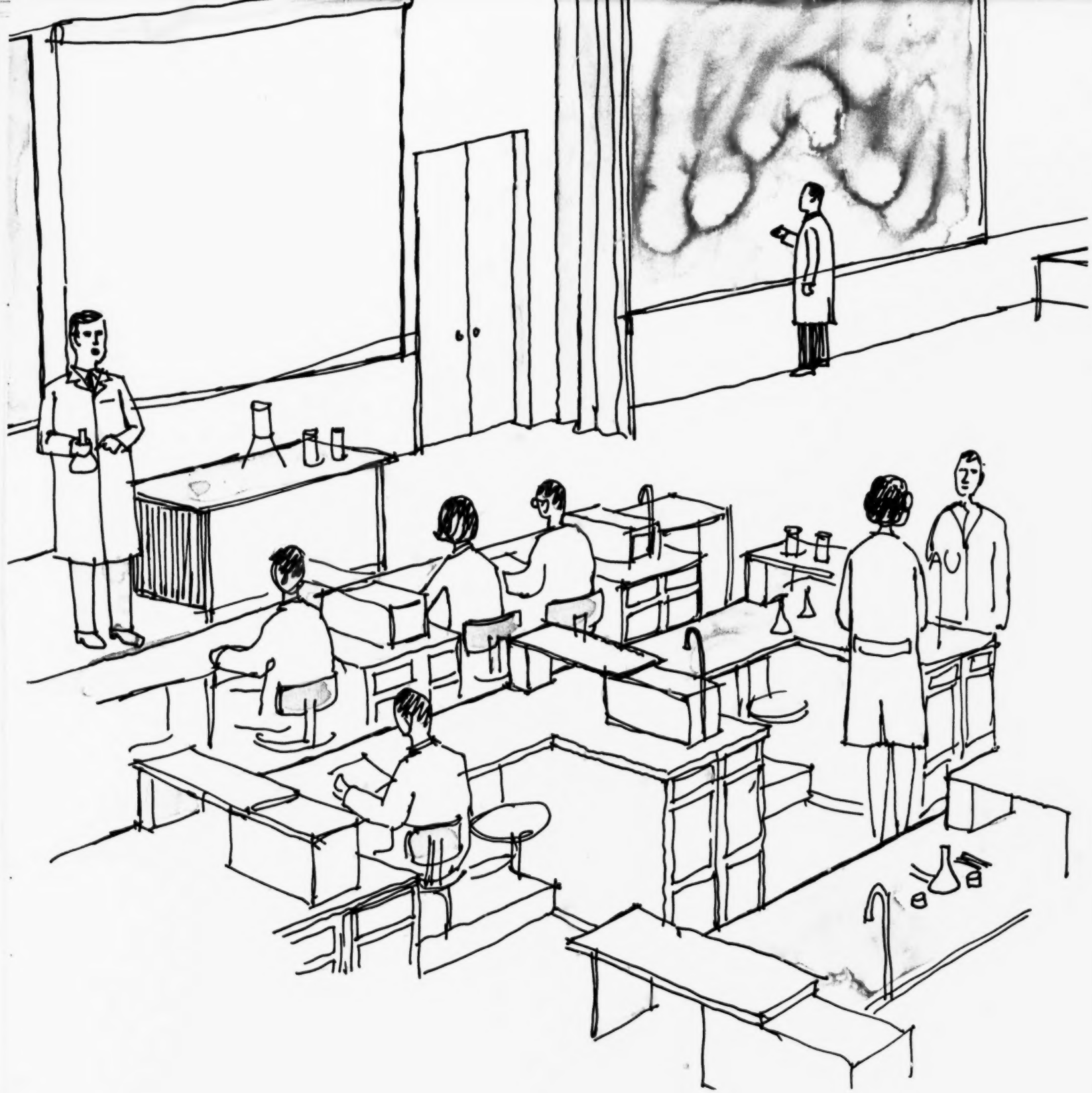
	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
a. Storage Room	—	1	300	• Central storage: one area for linens; a second for bed pans and equipment. • Stove and refrigerator adjacent to Storage Room. • Relate to Nursing Labs.
b. Scrub Area (ea. @ 100 sq. ft.)	—	5	500	• Regulation hospital scrub sinks with extensions. • Each scrub area to serve two labs. • Linen hopper.
c. Examination Room (Model) (ea. @ 150 sq. ft.)	—	2	300	• Examination table, storage, sink, and hot-cold water. • Relate to Nursing Labs.
3. ***Classroom*** (ea. @ 700 sq. ft.)	30	6	4,200	• Academic classroom. • Chalkboard, tackboard, and AV projection screen. • Storage for teaching aids, charts, and models.
NURSE AIDE COMPLEX	—	—	**5,700**	*Student learns procedures of lifting, moving and positioning patients, use of wheelchairs and gurneys, patient care, taking blood pressure, and charting vital signs.*
1. ***Patient Lab*** (ea. @ 800 sq. ft.)	16	5	4,000	• Space for 8 hospital beds (electric and manual), bedside units, overbed tables, siderails, and footstools. • Wheelchair, guerney, and walker. • Movable screens between beds. • Sterilizer. • Utility area with sink, hot-cold water, work counter, and storage. • Storage for linen and trays. • Minimum 46″ door width. • Direct access to Nurse Aide Lab.
2. ***Lab*** (ea. @ 500 sq. ft.)	16	2	1,000	• Chalkboard, tackboard, and AV screen. • Four work-study tables. • Utility area with sink, hot-cold water, work counter, and storage.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Sterilizer. • Movable partition between Labs. • Direct access to Nurse Aide Patient Lab.
3. *Classroom*	30	1	700	• Instructional area includes chalkboard, tackboard, and AV screen. • Relate to Patient Labs.
DEPARTMENTAL CENTER—NURSING				
1. *Nursing Administration*	—	—	2,225	*Area provides for administration of activities related to nursing fields, offices for instructors, study area, and conference spaces.*
a. Reception/Secretary Area	4	1	600	• Area for 4 secretaries. • Zone area for duplicator, mimeograph, and Xerox machines. • Direct access from main traffic circulation. • Controls access into Administration Offices, Conference Rooms, Storage Area, and Individual Study Area. • Reception area for visitors. • Reception counter and storage.
b. Individual Study Area	8	1	400	• Perimeter bookshelves. • Informally arranged tables, chairs, and study carrels. • Direct access from Reception/Secretary Area. • Access to traffic circulation.
c. Storage Area	—	1	100	• Storage for clerical supplies. • Adjustable shelving. • Direct access from Reception/Secretary Area.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
d. Conference Rooms (ea. @ 300 sq. ft.)	20	2	600	• Conference tables and comfortable chairs. • Tackboard, chalkboard, and AV projection screen. • Area for coffee service, cup and dish storage, and small counter with electrical outlets. • Divide each space with movable partition. • Relate to Reception/Secretary Area.
e. Administrative Director's Office	4	1	150	• Perimeter bookshelves and storage. • Three chairs for small group meetings. • Direct access to Reception/Secretary Area. • Relate to Department Chairman Offices.
f. Offices—Department Chairman (ea. @ 125 sq. ft.)	3	3	375	• Two chairs. • Perimeter storage and shelves. • Relate to Administrative Director's Office. • Direct access to Reception/Secretary Area.
2. ***Faculty Offices—Nursing*** (ea. @ 150 sq. ft.)	2	47	7,050	*Office areas for instructors.* • Provide two desks, file cabinets, and shelf storage. • Chairs for faculty-student meetings.


FACULTY OFFICES
LICENSED VOCATIONAL NURSE
CHAIRMAN
OFFICE
CONFERENCE
STUDY AREA
STORAGE
RECEPTION
ADMINISTRATIVE
DIRECTOR'S
OFFICE
FACULTY
OFFICES
REGISTERED
NURSE
FACULTY
OFFICES
NURSE AIDE


HOME HEALTH AIDE
PSYCHIATRIC AIDE
MEDICAL CLERICAL
DIETARY AIDE
HOUSEKEEPING LAB
MENTAL HEALTH TECH
REHABILITATION
OCCUPATIONAL THERAPY ASSISTANT
NURSING LAB
PATIENT LAB
WARD CLERK
REHABILITATION
NUTRITION LAB
NUTRITION LAB
ARTS & CRAFTS
LAB
LAB
RECORDS
MEDICAL RECORD
PSYCHOSOCIAL
PHYSICAL THERAPY LABS
MEDICAL RECORDS TECHNICIAN
PHYSICAL THERAPY ROOM
PHYSICAL THERAPY ASSISTANT
DEPART-MENTAL CENTER
TRANSCRIPT
LABS
OPTOMETRIC ASSISTANT
LAB
MEDICAL LAB ASSISTANT
ORDERLY LAB
X-RAY PHYSICS
SKILL LAB
INHALATION THERAPY
MEDICAL ASSISTING LAB
EMERGENCY LAB
GENERAL LAB
MEDICAL ASSISTANT
PATIENT LAB
MEDICAL X-RAY TECHNICIAN
SURGICAL TECHNICIAN
INHALATION THERAPY ASSISTANT
MEDICAL EMERGENCY TECHNICIAN
HOSPITAL ORDERLY
HOSPITAL



MEDICAL

The concept of a medical team with emphasis on involving skilled technicians is a distinct trend in the health field. People trained as health technicians are needed to extend professional services. Toward this goal, sixteen different medical programs have been identified. For space relationship purposes the medical programs are subdivided into three related groups.

1. ***Rehabilitation:*** Psychiatric Aide, Mental Health Technician, Occupational Therapy Assistant, and Physical Therapy Assistant.

2. ***Hospital:*** Medical Laboratory Assistant, X-Ray Technician, Hospital Orderly, Medical Emergency Technician, Inhalation Therapy Technician, and Surgical Technician.

3. ***Medical Clerical:*** Medical Assistant, Optometric Assistant, Medical Records Technician, Ward Clerk, Dietary Aide, and Home Health Aide.

The time required to complete the various educational programs range from one or two quarters for Hospital Orderly, Wark Clerk, Home Health Aide, and Medical Emergency Technician; to *two* years or more for Inhalation Therapy Technician, Physical Therapy Assistant, Medical Records Technician, Mental Health Technician, Medical Assistant, and Dietary Aide.

The Medical Complex provides academic classrooms, X-ray areas, Darkroom, Nutrition Labs, Secretarial area, Housekeeping Lab, Patient Labs, and space for ambulances in the Medical Emergency program.

The Complex also includes a Departmental Center consisting of administrative offices, secretarial work area, individual study area, conference rooms, and faculty offices.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
PSYCHIATRIC AIDE	—	—	**2,100**	*Students study ethics, legal considerations, personal hygiene, human organism needs, procedures of lifting and transporting patients, and patient care.*
1. *Classroom*	30	1	700	• Classroom for 30 students. • Chalkboard, tackboard, and AV screen.
2. *Laboratory*	16	1	600	• Lab tables with sink, hot-cold water, electricity, and gas. • Instructional area equipped with hot-cold water, gas, electricity, tackboard, chalkboard, and AV projection screen. • Perimeter counter and storage.
3. *Patient Laboratory*	16	1	800	• Space for 8 hospital beds (manual and electric), bedside units, overbed tables, side rails, and footstools. • Movable screens between beds. • Storage for wheelchair, guerney, walker, overhead frame, trapeze bars, linens, basins, and trays. • Utility area with sink, hot-cold water, counter, and storage. • Sterilizer. • Entrance doors minimum 46″ clearance.
Anatomy/Physiology	—	0	—	*Core*
MENTAL HEALTH TECHNICIAN	—	—	**1,400**	*Student studies field of mental health, factors influencing mental health, effective patient-worker relationships, and First Aid Safety procedures.*
1. *Classroom*	30	1	700	• Classroom for 30 students. • Chalkboard, tackboard, and AV projection screen.
2. *Laboratory*	16	1	700	• Tables to practice First Aid procedures. • Storage for First Aid supplies, charts, paper supplies, tape recorder, phonograph, and records. • Chalkboard, tackboard, and AV screen.
Anatomy/Physiology/Physical Science	—	0	—	*Core*

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
OCCUPATIONAL THERAPY ASSISTANT	—	—	**3,600**	*Student practices therapy activities including arts and crafts, painting, and sewing; techniques in psychiatric conditions; and rehabilitation procedures of using artificial limbs and braces.*
1. *Arts and Crafts Lab*	16	1	800	• Zone following areas: (a) *Art work area:* water, sinks, counter and supply storage. (b) *Leather/craft area:* counter, tool and supply storage. (c) *Wood area:* counter, benches, and wood/tool storage. • Secured storage for in-progress projects. • Relate to Record Lab.
2. *Record Lab*	16	1	700	• Tables with flat surface work for two students. • Chalkboard, tackboard, and AV screen. • Relate to Arts and Crafts Lab and Rehabilitation Lab.
3. *Rehabilitation Lab*	16	1	700	• Student makes and repairs therapy devices. • Sewing machines. • Flat surface work area. • Storage for leather/cloth supplies and small tools. • Relate to Record Lab.
4. *Psychosocial Lab*	16	1	700	• Tables and chairs. • Movable partitions. • Sound control for small group discussion, tape recording, and record playing.
5. *Classroom*	30	1	700	• Classroom for 30 students. • Chalkboard, tackboard, and AV screen.
Anatomy/Physiology	—	0	—	*Core*

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
PHYSICAL THERAPY ASSISTANT	—	—	**3,300**	*Student learns techniques associated with physical activity, rehabilitation, movement of patients, ambulatory techniques, applying and removing assistive devices, exercise procedures, and recording patients' responses.*
1. *Classroom*	30	1	700	• Classroom for 30 students. • Chalkboard, tackboard, and AV screen.
2. *Physical Therapy Laboratory* (ea. @ 900 sq. ft.)	16	2	1,800	• Rectangular treatment tables. • Wall pulleys with reinforced ceiling and wall anchors. • Equipment includes bed with Balkan Frame, set of parallel bars, walkers, standing boards, tilt tables, wheelchairs, guerney, mechanical lift, steps and ramp with hand rail, curbs, and low exercise table. • Sink, hot-cold water, work counter and storage. • Wall-mounted posture mirror. • X-ray view box. • Separate labs with movable partition. • Direct access to Storage Room. • Relate to Physical Therapy Room. Movable partition between areas.
a. Storage Room	1	1	100	• Direct access from Physical Therapy Labs. • Adjustable storage for linens, equipment and supplies.
3. *Physical Therapy Room*	16	1	700	• Tables. • Instructional area includes chalkboard, tackboard, and AV screen. • Relate to Physical Therapy Labs. Movable partition between areas.
Anatomy/Physiology	—	0	—	*Core*

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
MEDICAL LAB ASSISTANT	—	—	**6,600**	*Student develops proficiency in handling and identifying equipment and materials; conducting and analyzing various tests; and preparing media, stains, smears, and slides.*
1. ***Lab Assistant Labs*** (ea. @ 700 sq. ft.)	16	8	5,600	• Group labs in a cluster. Separate labs with movable partitions. • Chalkboard, tackboard, and AV screen. • Student Lab desks with storage. Counter space for microscopes, cell counter, incubator, view box, and test tube rack. Desk has front vertical screen for slide projection. • Counter work area, storage, sink, and hot-cold water. • Fume hood with exhaust. • Refrigerator. • Relate labs to central Storage Room. • Couch, EKG machine, scale, and BMR machine.
a. Storage Room	—	1	300	• Adjustable shelving. • Counter area with electrical outlets, sink, and water.
2. ***Classroom***	30	1	700	• Classroom for 30 students. • Chalkboard, tackboard, and AV screen.
MEDICAL X-RAY TECHNICIAN	—	—	**7,300**	*Student studies X-ray technology, principles of physics, patient positioning, procedures related to radiology, and film processing.*
1. ***Classroom***	30	1	700	• Classroom for 30 students. • Chalkboard, tackboard, and AV screen.
2. ***X-Ray Physics Lab***	16	1	1,000	• Flat work-study tables. • Perimeter work counter and storage.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Wall-mounted perimeter view boxes and electrical outlets.
				• X-ray machines and tables. Provide shielding.
				• Storage for tubes, meters, and transformers near X-ray machines.
3. *X-Ray Lab* (ea. @ 500 sq. ft.)	8	9	4,500	• Energized X-ray tables with overhead/floor track systems. Provide shielding.
				• Control panel.
				• Movable partitions between labs.
				• Portable fluoroscopes, portable X-ray unit, guerneys, wheelchairs, flat-surfaced tables, articulated skeletons, and plastic torso models.
				• Wall-mounted view box.
				• Direct access to Storage Room.
a. Storage Room	—	1	400	• Direct access to X-Ray Labs.
				• Hooks to hang lead aprons.
				• Adjustable shelving.
4. *Darkroom Complex*	—	—	—	• Area for film processing, solution mixing, film viewing, and film storage.
a. Darkroom	4	1	300	• Safety lights.
				• Automatic processing unit.
				• Manual processing unit: acid-resistant work counter, storage, sink, hot-cold water, back splash board, and film drier.
				• Storage for film hangers and holders.
				• Relate to X-Ray Labs.
				• Direct access to Wet Mixing Room and Viewing Room.
b. Wet Mixing Room	3	1	200	• Store liquid supplies, funnels, rods, beakers, and brushes.
				• Acid-resistant counter with deep sink and hot-cold water.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• No exterior sunlight. • Relate to Darkroom.
c. Viewing Room	4	1	100	• Counter and wall-mounted viewing boxes. • Recessed viewing boxes in portion of counter section.
				• Relate to Darkroom. • Direct access to X-Ray File Room.
d. X-Ray File Room	2	1	100	• File storage for X-ray films. • Direct access to Viewing Room.
Anatomy/Physiology	—	0	—	*Core*
HOSPITAL ORDERLY	—	—	2,300	*Student learns procedures in lifting and transporting patients, direct and indirect patient care, use of the guerney and wheelchair, procedures of preparing patient for meals, and charting blood pressure and temperature.*
1. ***Patient Lab*** (ea. @ 800 sq. ft.)	16	2	1,600	• Space for 8 hospital beds (manual and electric), bedside units, overbed tables, side rails, and footstools. • Wheelchair, guerney, walker, overhead frame, and trapeze bars. • Movable screens between beds. • Utility area with sink, hot-cold water, work counter, and storage. • Sterilizer. • Direct access to Storage Room. • Minimum 46″ door width. • Movable partition separates Labs. • Direct access to Orderly Lab.
a. Storage Room	—	1	100	• Adjustable shelving for linen, trays, frames, trapeze bars, and cleaning equipment.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Direct access to Patient Labs.
2. *Orderly Lab* (Relate to Nurse Aide Area)	16	1	600	• Flat-surfaced work-study tables. • Chalkboard, tackboard, and AV screen. • Utility area includes sink, hot-cold water, counter, and storage. • Sterilizer. • Storage for cleaning equipment. • Direct access to Patient Lab.
3. *Classroom*	—	0	—	• Grouped with other Medical Classroom spaces.
MEDICAL EMERGENCY TECHNICIAN	—	—	**1,400**	*Student studies rescue techniques, resuscitation, use of communication systems, and operation of rescue equipment and vehicles.*
1. *Classroom*	—	0	—	• Space grouped with other Medical Classrooms.
2. *Emergency Lab*	12	1	1,200	• Flat-surfaced work tables permitting use of Resusci-Anne, Resusci-Kate and Resuscitator. • Area near Storage Room for hospital bed, ambulance cot, heart chair, stretchers (rescue and orthopedic), and oxygen equipment. • Area for emergency communication equipment with work counter, storage, and practice space. • Area for ambulance with direct exterior access. • Instructional area includes demonstration table, chalkboard, tackboard, and AV projection screen.
a. Storage Room	—	1	200	• Adjustable shelving. • Direct access to Emergency Lab. • Relate to exterior exit.
Anatomy/Physiology	—	0	—	*Core*

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
INHALATION THERAPY ASSISTANT	—	—	**2,500**	*Student uses equipment, learns preventive maintenance of equipment, studies initial patient contact and nursing arts, and learns breathing techniques.*
1. *Inhalation Therapy Laboratory* (ea. @ 1,000 sq. ft.)	16	2	2,000	• Lab-work benches with storage, electricity and gas. • Sinks with hot-cold water. • Instructional area with sink, hot-cold water, gas, tackboard, chalkboard, AV projection screen, and wall barometer. • Zone 250 sq. ft. *work space* with electrical floor outlets. • Perimeter storage for small equipment. • Movable partition between Labs. • Direct access to Workroom, Storage Room, and Pulmonary Function Room.
a. Workroom	—	1	100	• Perimeter pegboard. • Secured perimeter cabinet storage. • Sink with hot-cold water. • Direct access to Inhalation Therapy Labs' *work space*. • Relate to Storage Room.
b. Storage Room	—	1	200	• Storage for large portable equipment and cylinder tanks. • Perimeter shelving. • Direct access to Inhalation Therapy Labs' *work space*. • Relate to Workroom.
c. Pulmonary Function Room	—	1	200	• Sink, hot-cold water, electricity, and gas outlets. • Direct access to Inhalation Therapy Lab.
2. *Classroom*	—	0	—	• Grouped with other Medical Classroom spaces.
Anatomy/Physiology/Microbiology	—	0	—	*Core*

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
SURGICAL TECHNICIAN	—	—	**2,700**	*Student practices techniques in positioning and draping patients for surgery, in maintaining asepsis in operatory-surgical scrubs, and in handling of contaminated instruments and supplies.*
1. *Skill and Technique Lab*	10	1	600	• Counter-storage area with double sink, autoclave, drying area, and storage. • Scrub sink with foot and elbow extension controls. • Hospital table, Mayo Table, and reserve table. • Chalkboard, tackboard, and AV screen. • Storage for supplies and equipment. • Direct access into General Labs.
2. *General Lab* (ea. @ 700 sq. ft.)	16	2	1,400	• Work-study tables. • Instructional area with chalkboard, tackboard, and AV screen. • Storage for microscopes, models, and charts. • Counter with double sink, autoclave, drying area, and storage. • Scrub sink with elbow extension and foot controls. • Movable partition between Labs. • Direct access into Skill and Technique Labs.
3. *Classroom*	30	1	700	• Classroom for 30 students. • Instructional area with chalkboard, tackboard, and AV screen.
Anatomy/Physiology/Bacteriology	—	0	—	*Core*

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
MEDICAL ASSISTANT	—	—	**3,600**	*Student studies sterilization techniques, tray set-up, care of equipment, use of instruments, preparation of medical forms, clerical procedures, and medical office procedures.*
1. ***Medical Assistant Lab*** (ea. @ 700 sq. ft.)	16	2	1,400	• Work-study tables. • Instructional area with gas, electricity, sink, hot-cold water, AV screen, chalkboard, and tackboard. • Portable examining table. • Scrub sink with elbow extension and foot controls. • Counter, storage, hot-cold water, and sterilizer. • Storage for drapes, sheets, gowns, masks, and rubber gloves. • Storage for microscopes. • Separate work counter with incubator, hemometer, and centrifuge. Locate adjacent to refrigerator. Instrument cabinet and medicine cabinet nearby. • Movable partition between Labs.
2. ***Clerical Lab***	25	1	800	• Typewriter-Business Machine desks. • Electrical outlets for each station. • Instructional area includes table, chalkboard, tackboard, AV projection screen, and storage. • Relate to Medical Records Technicians' Transcription Lab.
3. ***Classroom*** (ea. @ 700 sq. ft.)	30	2	1,400	• Classroom for maximum of 30 students. • Instructional area includes chalkboard, tackboard, and AV screen.
Anatomy/Physiology	—	0	—	*Core*

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
OPTOMETRIC ASSISTANT	—	—	**1,800**	*Student studies optometrics, optometric field-duties, office procedures, selection of frames, prescriptions, verification, and frame adjustment.*
1. ***Classroom***	—	0	—	• Space grouped with other Medical Classrooms.
2. ***Optometric Lab*** (ea. @ 900 sq. ft.)	16	2	1,800	• Movable lab benches with instrument and material storage. • Wall-hung (removable) frame cases. • Optometric unit, patient chair, and wall-hung training charts. • Perimeter work counter and storage. • Chalkboard, tackboard, and AV screen near instructional area. • Movable partition separates Labs.
MEDICAL RECORDS TECHNICIAN	—	0	**3,400**	*Student learns clerical tasks related to obtaining, transcribing, recording and filing medical records.*
1. ***Classroom***	30	1	700	• Classroom for 30 students. • Chalkboard, tackboard, and AV screen.
2. ***Transcription Lab***	16	1	600	• Typewriter-Business Machine desks. • Electricity for each station. • Storage for clerical supplies. • Storage for in-progress student work. • Relate to Medical Record Labs and Technical Lab. • Relate to Medical Assistant's Clerical Lab.
3. ***Medical Record Lab*** (ea. @ 600 sq. ft.)	16	2	1,200	• Secretary-Business Machine desks. • Storage for clerical supplies. • Movable partition to separate Labs. • Direct access to Model Reception Area. • Relate to Transcription Lab and Technical Lab.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
a. Model Reception Area	4	1	150	• Direct access to Medical Record Labs. • Area includes movable counter with storage, desk, file, chair, telephone, and tape recorder.
4. ***Technical Lab***	16	1	600	• Typewriter-Business Machine desks. • Electricity to each station. • Storage for clerical forms and supplies. • Storage of in-progress student work. • Direct access to Technical Equipment Room. • Relate to Transcription Lab and Medical Record Labs.
a. Technical Equipment Room	—	1	150	• Equipment related to reproducing forms and records such as photocopy machine and microfilm recorder-printer. • Direct access to Technical Lab. Separate with movable partition.
Anatomy/Physiology	—	0	—	*Core*
WARD CLERK	—	—	**1,400**	***Student studies communication techniques, clerical procedures of receiving and dismissing patients, supply control, and procedures in establishing and maintaining cooperative relationship with patients.***
1. ***Ward Clerk Lab*** (ea. @ 600 sq. ft.)	16	2	1,200	• Flat-surfaced work-study tables. • Chalkboard, tackboard, and AV screen. • Movable partition separates Labs. • Direct access into Model Nursing Stations.
a. Model Nursing Station	4	1	200	• Complete model nursing station ("L" shaped design) to include: reception counter, desk, chart rack, telephone, and storage area. • Supply storage opens into Nursing Station and Labs. • Direct access into Ward Clerk Labs.
2. ***Classroom***	—	0	—	• Grouped with other Medical Classroom spaces.

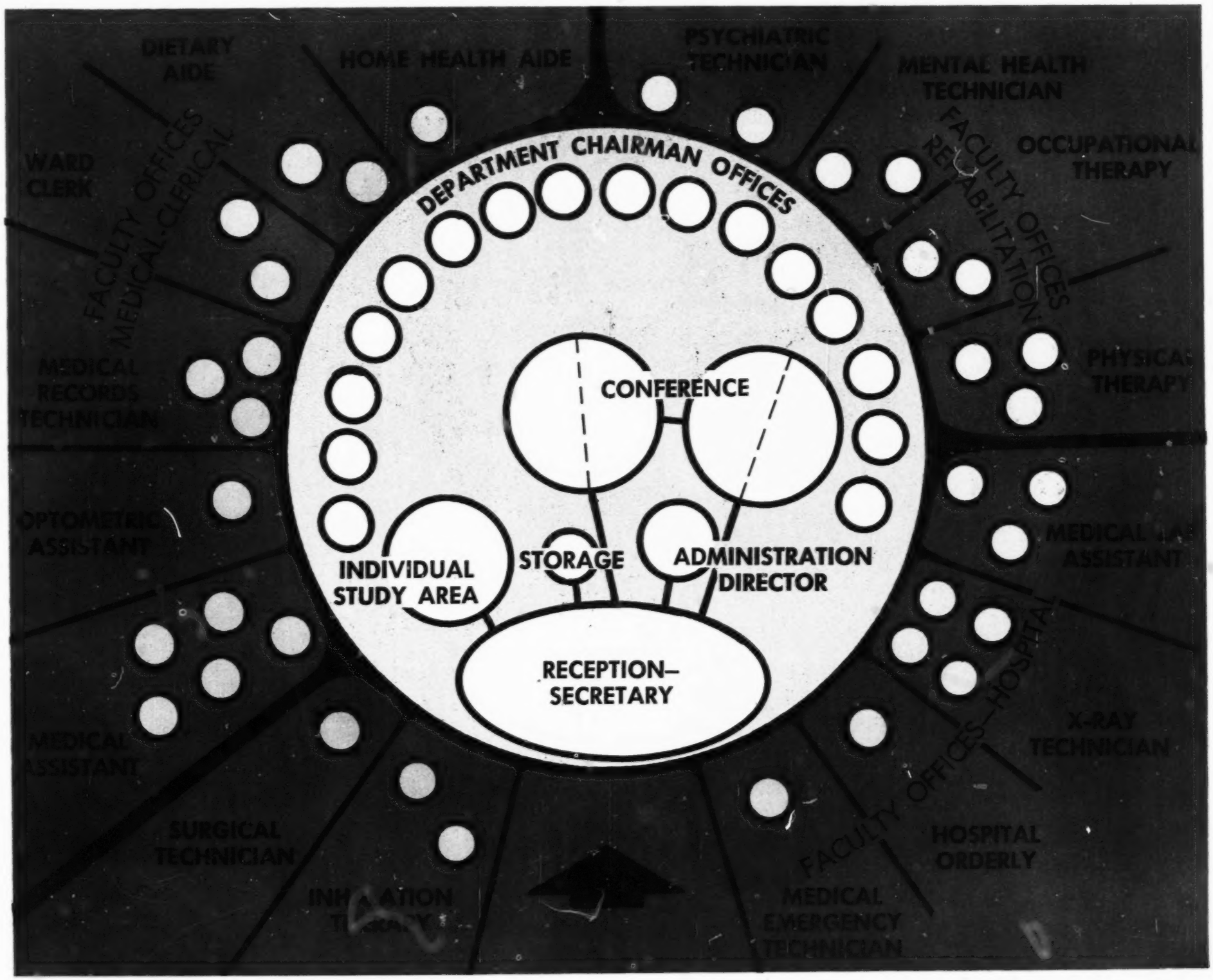
	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
DIETARY AIDE	—	—	**900**	*Student learns basic principles of nutrition and their application in normal and therapeutic diets; food purchasing, receiving, storing, and preparing; and health education, First Aid, and personal hygiene.*
1. *Nutrition Lab*	16	1	900	• Stand-up food preparation and sit-down lecture setting. • Work-counter areas, equipment storage, and electrical outlets. • Stoves (gas and electric), sinks, and hot-cold water. • Refrigerator and freezer. • Flat-surfaced instructional-demonstration area with overhead mirror, sink, hot-cold water, chalkboard, and AV screen. • Student work-counter areas arranged to permit students to observe demonstrations. • Relate to Nutrition Lab of Home Health Aide.
2. *First Aid Lab*	—	0	—	• Combined with Mental Health Technician Lab.
3. *Classrooms*	—	0	—	• Combined with other Medical Classroom spaces.
HOME HEALTH AIDE	—	—	**5,900**	*Student learns skills related to patient care in a home environment, general housekeeping, home safety, and food purchase and preparation.*
1. *Housekeeping Lab* (ea. @ 900 sq. ft.)	16	2	1,800	• Complete model apartment as follows: (a) *Kitchen:* Stove, refrigerator-freezer, dishwasher, sink, and cupboards. (b) *Bathroom:* Tub, stool, and lavatory. (c) *Living-dining room:* Couch, end-tables, chairs, table, rug, and lamps. (d) *Laundry-sewing area:* Washer, drier, sewing machine, ironing board, and laundry storage. (e) *Bedroom:* Bed, dresser, and night stands. (f) *Closet:* Vacuum cleaner, mops, brooms, and cleaning materials. • Movable partition separates Labs.

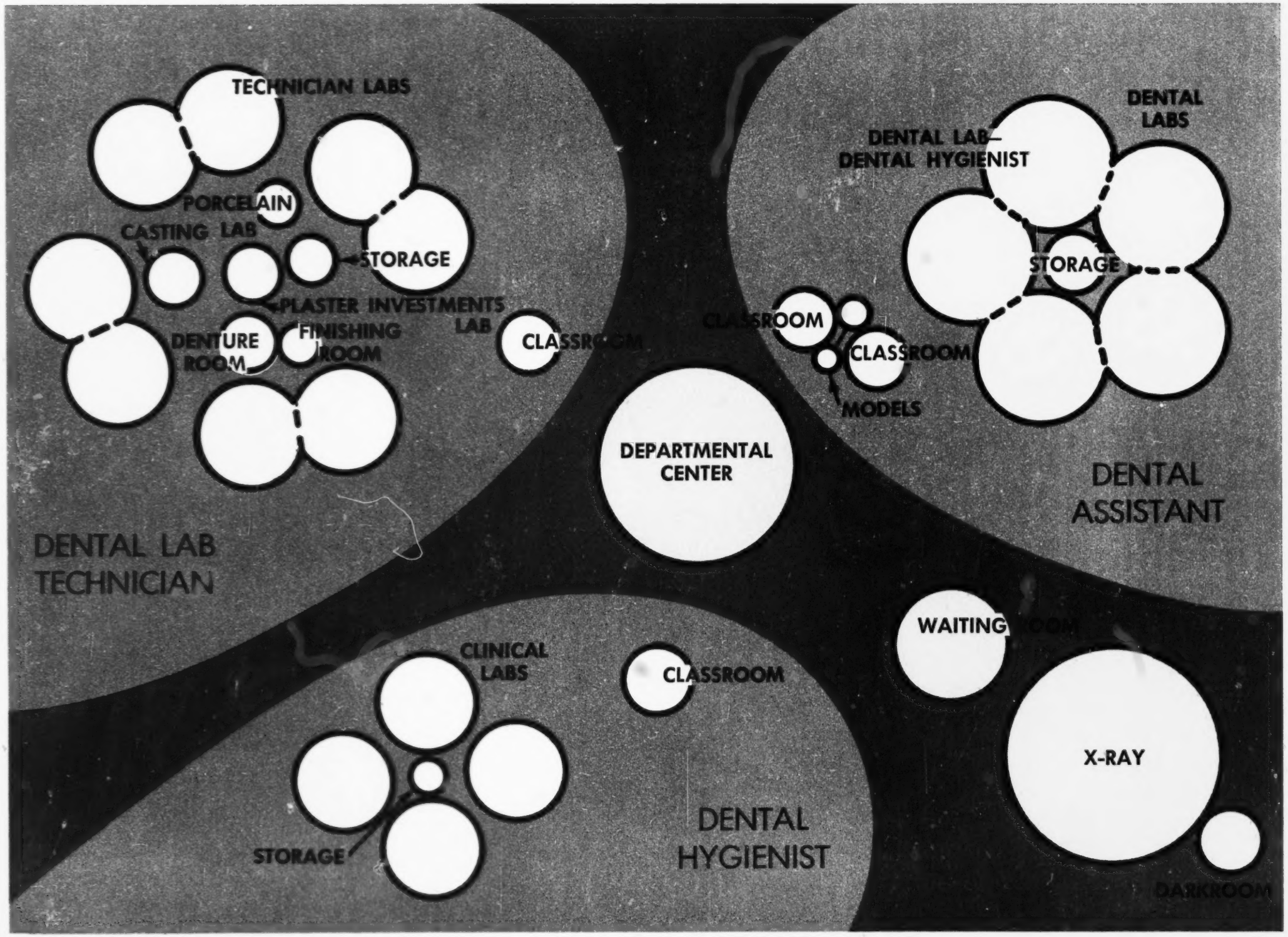
	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
2. ***Nutrition Lab*** (ea. @ 900 sq. ft.)	16	2	1,800	• Stoves (electric and gas), sinks, and hot-cold water. • Counter work space. • Flat-surfaced instructional-demonstration area with overhead mirror, storage, tackboard, chalkboard, and AV screen. • Movable partition between Labs. • Relate to Dietary Aide Nutrition Lab.
3. ***Nursing Laboratory*** (ea. @ 800 sq. ft.)	16	2	1,600	• Four hospital beds (electric and manual), standard single beds, hospital overbed tables, bedside units, wheelchair, walker, and footstools. • Storage for equipment and linen. • Hot-cold water and deep sink. • Separate labs with movable partition.
4. ***Classroom***	30	1	700	• Classroom for 30 students. • Chalkboard, tackboard, and AV screen.

DEPARTMENTAL CENTER—MEDICAL

1. ***Medical Administration***	—	—	3,850	*Center provides for administration of activities related to medical fields, study area, work area, conference area, and offices for instructors.*
a. Reception/Secretary Area	4	4	500	• Area for 4 secretaries. • Direct access from main traffic circulation. • Reception area for visitors. • Reception counter with storage. • Zone for Xerox, duplicator, mimeograph, work counter, and supply storage. • Controls access into Individual Study Area, Administration Offices, Conference Rooms, and Storage Area.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
b. Individual Study Area	10	1	500	• Perimeter bookshelves • Informally arranged tables, chairs, and study carrels. • Direct access from Reception/Secretary Area. • Access to traffic circulation.
c. Storage Area	—	1	100	• Adjustable shelves. • Direct access from Reception/Secretary Area.
d. Conference Rooms (ea. @ 300 sq. ft.)	20	2	600	• Conference tables and chairs. • Tackboard, chalkboard, and AV projection screen. • Divide each conference area with movable partition. • Zone area for coffee service, dish storage, and small counter with electrical outlets. • Relate to Reception/Secretary Area.
e. Administrative Director's Office	4	1	150	• Chairs for 4 visitors. • Perimeter book shelving. • Direct access to Reception/Secretary Area. • Relate to Department Chairman Offices.
f. Offices—Department Chairman (ea. @ 125 sq. ft.)	3	16	2,000	• Chairs for 3 visitors. • Perimeter book shelving. • Relate to Reception/Secretary Area and Administrative Director's Office.
2. ***Faculty Offices—Medical*** (ea. @ 150 sq. ft.)	2	36	5,400	*Office space for instructors.* • Provide 2 desks, file cabinets, and shelf storage. • Chairs.


DIETARY AIDE
HOME HEALTH AIDE
PSYCHIATRIC TECHNICIAN
MENTAL HEALTH TECHNICIAN
OCCUPATIONAL THERAPY
PHYSICAL THERAPY
MEDICAL ASSISTANT
X-RAY TECHNICIAN
HOSPITAL ORDERLY
MEDICAL EMERGENCY TECHNICIAN
SURGICAL TECHNICIAN
MEDICAL ASSISTANT
OPTOMETRIC ASSISTANT
MEDICAL RECORDS TECHNICIAN
WARD CLERK
FACULTY OFFICES MEDICAL-CLERICAL
FACULTY OFFICES REHABILITATION
FACULTY OFFICES HOSPITAL
DEPARTMENT CHAIRMAN OFFICES
CONFERENCE
INDIVIDUAL STUDY AREA
STORAGE
ADMINISTRATION DIRECTOR
RECEPTION–SECRETARY


TECHNICIAN LABS
PORCELAIN
CASTING LAB
STORAGE
PLASTER INVESTMENTS LAB
DENTURE ROOM
FINISHING ROOM
CLASSROOM
DENTAL LAB TECHNICIAN
DEPARTMENTAL CENTER
DENTAL LAB DENTAL HYGIENIST
DENTAL LABS
STORAGE
CLASSROOM
CLASSROOM
MODELS
DENTAL ASSISTANT
CLINICAL LABS
STORAGE
CLASSROOM
DENTAL HYGIENIST
WAITING
X-RAY
DARKROOM

DENTAL

Three Dental programs have been identified for the Center: (1) *Dental Assistant*; (2) *Dental Hygienist*; (3) *Dental Laboratory Technician.*

The Dental Assistant program requires one to two years of training, and the Dental Hygienist and Dental Laboratory Technician programs require a minimum of two years of training.

The Dental Assistant has a great potential for increased dental productivity. The Assistant may be involved in chair-side assisting, reception and secretarial procedures, certain laboratory tasks, and processing X-ray films.

The Dental Hygienist is the only dental auxiliary licensed to render dental hygiene. As such, the Hygienist is a key person as a teacher and technician in promoting better oral hygiene.

The Dental Laboratory Technician is a highly skilled craftsman who must be able to produce complex and intricate restorative appliances for patients. To accomplish this, the Laboratory Technician must understand the technology of articulation and occlusion, and must understand the principles of physics and chemistry as applied to the use and manipulation of basic dental materials.

The Dental Complex serves as the locus of academic and occupational training for members of the dental team. This area provides classrooms and laboratories designed to train and introduce students to dental-related tasks and responsibilities.

The Complex also includes a Departmental Center consisting of administrative office space, work space for secretaries, individual study area, conference rooms, and faculty offices.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
DENTAL ASSISTANT COMPLEX	—	—	**7,150**	*Student studies X-ray procedures, film development, use of dental equipment, and clerical procedures.*
1. *X-Ray Lab* (ea. @ 125 sq. ft.)	2	7	875	• Separate instructional spaces include an X-ray machine, standard dental chair, sink, and hot-cold water. • X-ray control unit outside each instructional space. • Shelf for film and X-ray props near control unit. • Storage near entrance. • Lead-lined partitions and walls around and between units for radiation protection. • Direct access to Darkroom. • Relate to Patient Waiting Room.
a. Patient Waiting Room (Shared with Dental Hygienist)	6	1	150	• Relate to X-Ray Lab. • Couch, chairs, table, lamp, and tackboard. • Zone Children's Corner. • Reception center with counter, phone, and desk.
b. Darkroom (Shared with Dental Hygienist)	—	1	75	• Direct access to X-Ray Lab. • Electrical outlets and wall-hung view boxes. • Perimeter acid-resistant work counter, recessed sink, recessed processing tank, film drier, and storage. • High capacity mechanical ventilation. • Safe lights.
2. *Dental Lab* (ea. @ 800 sq. ft.)	16	5	4,000	• Each student station equipped with gas, electricity, compressed air, storage (locked) drawers, adjustable posture-type chairs, and sink with sediment trap. • Plaster bench, sink with sediment trap, hot-cold water, electrical outlets, and dispensing bin above counter.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Instructional-demonstration area equipped with gas, electricity, hot-cold water, compressed air, sink with sediment trap, chalkboard, tackboard, and AV screen.
				• Perimeter storage for microscopes.
				• Perimeter work counter, storage, acid-resistant counter top, high level illumination, and electrical outlets.
				• Recessed casting wells with burn-out ovens next to each casting well.
				• Secure lathes and model trimmers to counter top.
				• Direct access to central Storage Room.
				• Movable partitions between Labs.
a. Storage Room	—	1	400	• Relate to Dental Labs.
				• Provide adjustable shelving.
				• Zone for stone, plaster, and investment products.
3. ***Dental Classroom*** (ea. @ 700 sq. ft.)	30	2	1,400	• Lecture room for 30 students.
				• Chalkboard, tackboard, and AV screen.
				• Storage for clerical supplies.
a. Model Business/Reception Room	4	1	100	• Desk, chairs, filing cabinet, typewriter, and table.
				• Movable partitions open into Dental Classrooms.
b. Model Operating Room	4	1	150	• Operating Room on a raised platform.
				• Movable partitions open into Dental Classrooms.
				• Standard dental unit, compressed air, gas, water, electricity, towel and instrument cabinet, operating stool, counter, storage, sink, and hot-cold water.
DENTAL HYGIENIST COMPLEX	—	—	**5,550**	***Student learns to take X-rays, to mount and file films, darkroom procedures, clinical dental procedures, and to work with patients in a clinical setting.***
1. ***X-Ray Lab***	2	1	125	• Separate instructional spaces include X-ray machine, standard dental chair, sink, and hot-cold water.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• X-ray control unit outside each instructional space. • View window. • Shelf for film, hemostat, and cotton rolls, near control unit. • Storage near entrance. • Lead-lined partitions and walls between units for radiation protection. • Relate to Patient Waiting Room. • Direct access to Darkroom.
a. Patient Waiting Room (Shared with Dental Assistants)	6	1	150	• Relate to Dental X-Ray Lab and Clinical Hygiene Lab. • Chairs, couch, lamp, and tackboard. • Children's Corner. • Reception center with counter, phone, and desk.
b. Darkroom (Shared with Dental Assistants)	—	1	75	• Direct access to Hygiene X-Ray Lab. • Perimeter acid-resistant work counter, hot-cold water, sink, processing tanks, film drier, film viewer, and storage. • High capacity mechanical ventilation. • Safe lights.
2. ***Clinical Hygiene Lab*** (ea. @ 1,050 sq. ft.)	16	4	4,200	• Complete dental unit for each student station with water, compressed air, gas, electricity, sink, hot-cold water, and storage. • Sight barrier partitions between units. • Portable instrument cabinets. • Continuous ceiling lighting. • Clock observable from any unit. • Double sink, hot-cold water, soiled towel bin, and counter. • Autoclave, ultrasonic cleaning unit, and Cavitron unit. • Linen storage.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Perimeter work counter, acid-resistant top, and storage. • Relate to Patient Waiting Room.
a. Storage Room	—	1	300	• Direct access to Clinical Hygiene Labs. • Adjustable shelving.
3. ***Classroom***	30	1	700	• Classroom designed for 30 students. • Chalkboard, tackboard, and AV screen.
Anatomy/Physiology/Microbiology	—	0	—	*Core*
DENTAL LAB TECHNICIAN COMPLEX	—	—	**10,000**	*Student develops skills to fabricate prosthetic appliances as required by the dentist.*
1. ***Technician Lab*** (ea. @ 800 sq. ft.)	16	8	6,400	• Lab contains 16 student stations. • Demonstration area equipped with hot-cold water, gas, electricity, chalkboard, tackboard, AV screen, and TV monitors. • Storage for denture casting and crown-bridge materials, and student work pans. • Ultra-sonic cleaner, soldering equipment, electric spot-welder, and parallelometer. • Centralize Porcelain Lab, Plaster/Investments Lab, Denture Room, Finishing Room, and Casting Room. • Pair Labs—Separate with movable partitions.
a. Porcelain Lab	16	1	600	• Area completely enclosed. • High capacity air circulation system. • Keep dust-free. • Porcelain firing furnace. • Counter with storage. • Relate to Technician Labs.
b. Plaster/Investments Lab	16	1	600	• Work will be of a stand-up nature. • Lab divided into two parts: (a) *Plaster Area:* Counter, storage provisions of unused plaster, and compressed air. (b) *Investment Area:* Drying oven, work counter, and storage for equipment.

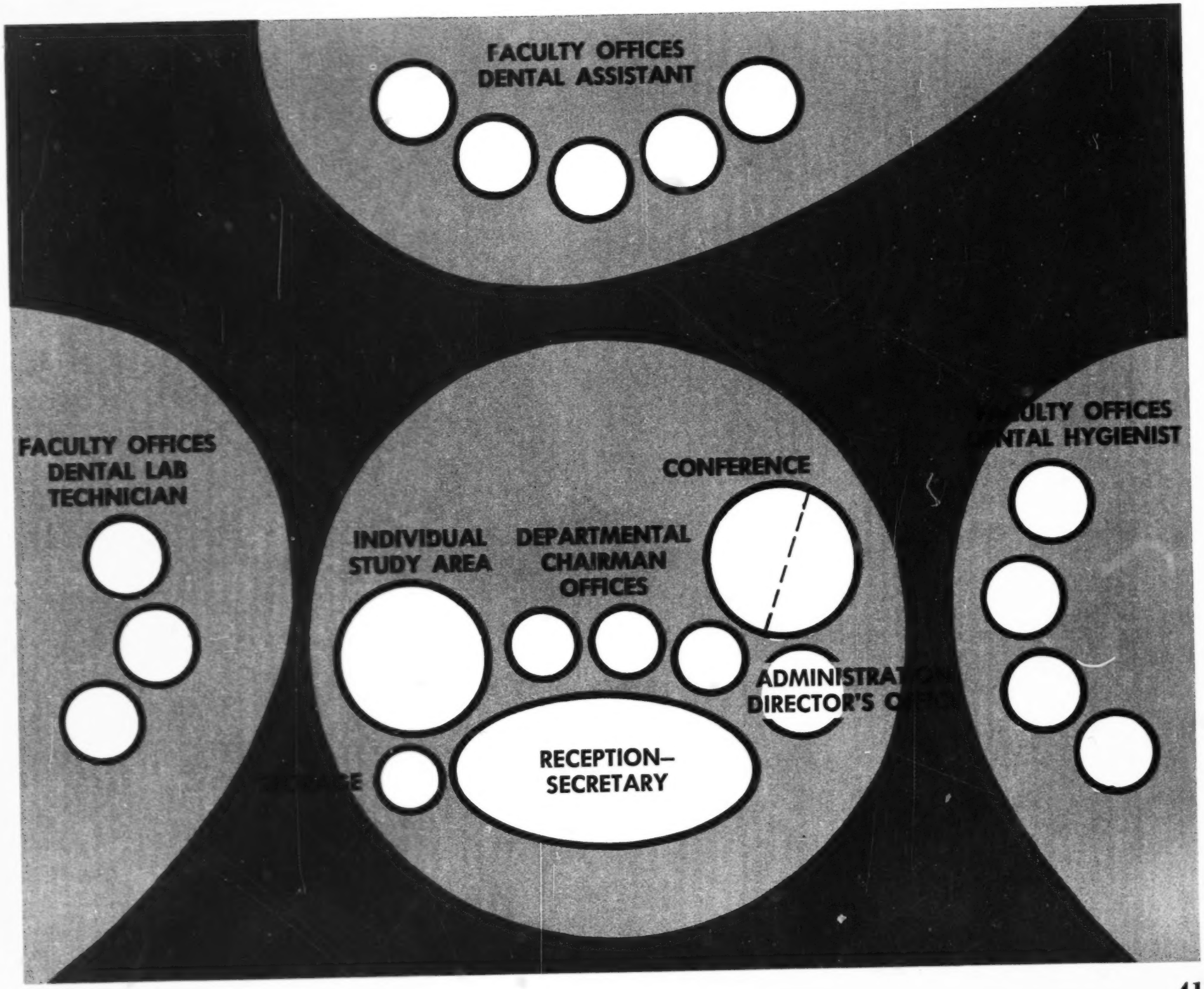
	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Mechanical mixers, model trimmer, vibrators, and Vac-U-Vestors. • Relate to Denture Room. • Direct Access to Casting Room.
c. Casting Room	16	1	600	• Stand-up work area. • High-volume ventilation. • Automatic casting machine on counters. • Recess manual-centrifuge casting machine in counter. • Floor model chrome casting machine. • Compressed air and gas outlets. • Burn-out oven. • Perimeter work counter with storage. • Vented acid storage. • Precious metal security area. • Direct access to Plaster/Investments Lab.
d. Denture Room	16	1	600	• Stand-up work area. • Boil-out tanks with hydraulic lift. • Shell-blast machine with vacuum system. • Water-bath with temperature controlled cover. • Perimeter work counter, storage, sink, and hot-cold water. • Relate to Plaster/Investments Lab. • Immediate access to Finishing Room.
e. Finishing Room	8	1	300	• Hooded exhaust system. • Floor-model lathe with suction equipment.

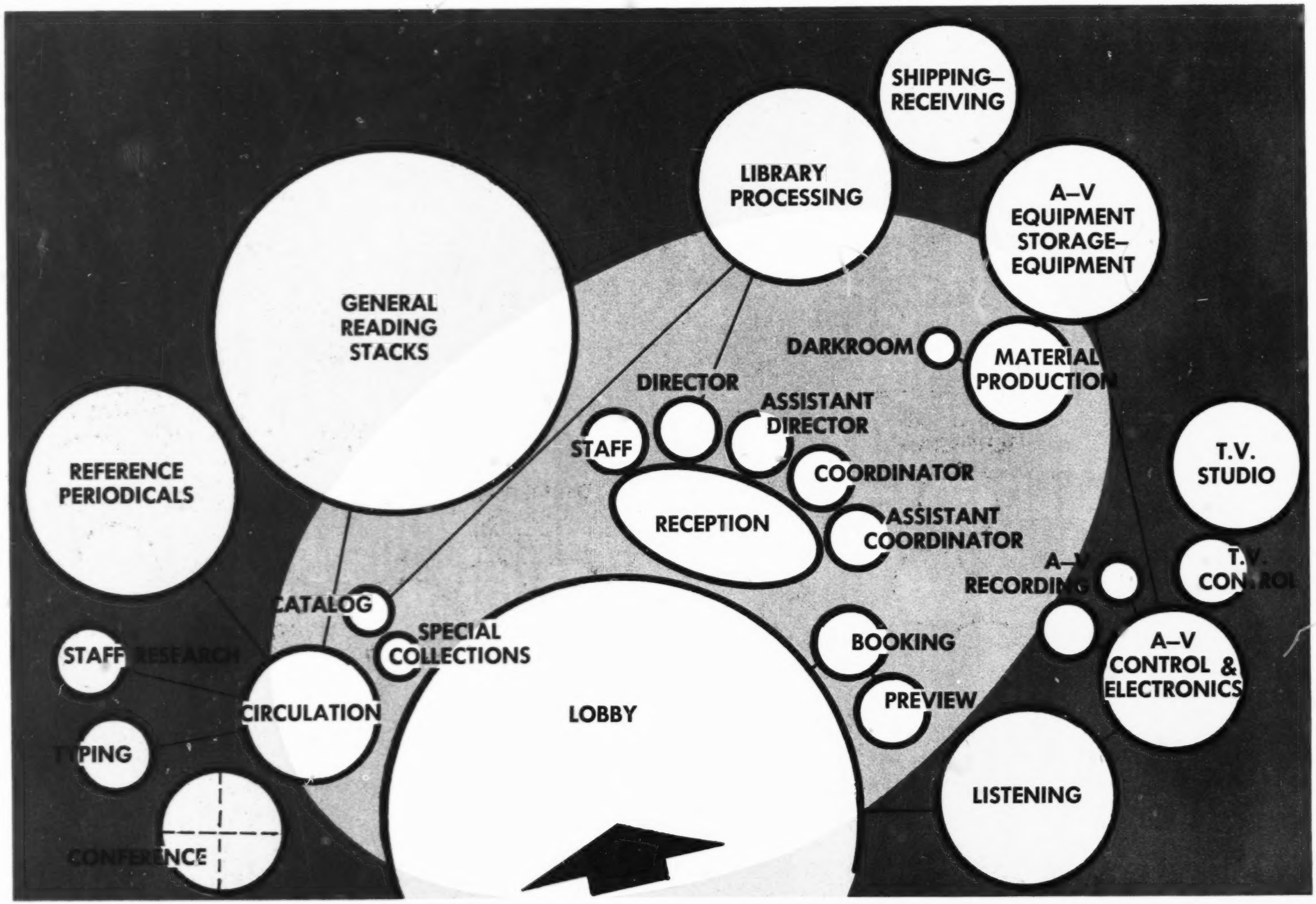
	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Chrome-Lectro polisher. • Precious metal dust collector on machines. • Perimeter work counter with storage. • Immediate access to Denture Room.
f. Storage Room	—	1	200	• Centralized storage. • Adjustable shelving. • Relate to all Technician Labs.
2. *Classrooms*	30	1	700	• Academic classroom. • Chalkboard, tackboard, and AV screen.

DEPARTMENTAL CENTER—DENTAL

1. *Dental Administration*	—	—	1,625	*Center provides for administration of activities related to the dental fields, offices for instructors, study area, and conference spaces.*
a. Reception/Secretary Area	2	1	400	• Area for 2 secretaries. • Direct access from main traffic circulation. • Reception area for visitors. • Reception counter and storage. • Zone area for Xerox, duplicator, mimeograph, work counter, and supply storage. • Controls access into Administration Offices, Conference Rooms, Storage Area, and Individual Study Area.
b. Individual Study Area	6	1	300	• Perimeter book shelving. • Informal grouping of tables, chairs, and study carrels. • Direct access from Reception/Secretary Area. • Access to student circulation.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
c. Storage Room	—	1	100	• Adjustable shelving for clerical supplies. • Direct access from Reception/Secretary Area.
d. Conference Room (Divisible)	20	1	300	• Conference tables and chairs. • Tackboard, chalkboard, and AV projection screen. • Movable partition to divide area. • Zone area for coffee service, dish storage, counter, and electricity. • Relate to Reception/Secretary Area.
e. Administrative Director's Office	4	1	150	• Chairs for visitors. • Perimeter book shelving. • Direct access to Reception/Secretary Area. • Relate to Department Chairman Offices.
f. Offices—Department Chairman	3	3	375	• Chairs for visitors. • Perimeter shelving. • Direct access to Reception/Secretary Area. • Relate to Administrative Director's Office.
2. ***Faculty Offices—Dental*** (ea. @ 150 sq. ft.)	2	12	1,800	*Office spaces for all dental instructors.* • Provide two desks, file cabinets, and shelf storage. • Chairs for faculty-student conferences.


FACULTY OFFICES
DENTAL ASSISTANT
FACULTY OFFICES
DENTAL LAB
TECHNICIAN
INDIVIDUAL
STUDY AREA
DEPARTMENTAL
CHAIRMAN
OFFICES
CONFERENCE
RECEPTION–
SECRETARY
ADMINISTRAT
DIRECTOR'S O
ULTY OFFICES
NTAL HYGIENIST


SHIPPING–
RECEIVING
LIBRARY
PROCESSING
A–V
EQUIPMENT
STORAGE–
EQUIPMENT
GENERAL
READING
STACKS
DARKROOM
MATERIAL
PRODUCTION
DIRECTOR
ASSISTANT
DIRECTOR
STAFF
COORDINATOR
T.V.
STUDIO
REFERENCE
PERIODICALS
RECEPTION
ASSISTANT
COORDINATOR
A–V
RECORDING
T.V.
CONTROL
CATALOG
SPECIAL
COLLECTIONS
BOOKING
STAFF RESEARCH
A–V
CONTROL &
ELECTRONICS
CIRCULATION
LOBBY
PREVIEW
TYPING
LISTENING
CONFERENCE

RESOURCE MATERIALS CENTER

The Resource Materials Center (RMC) combines and integrates the materials of the instructional program—books, films, records, tapes, and pictures—into a concentration of coordinated media resources available to students and staff.

The RMC serves as the nerve center of electronic communication and distribution of audio/video signals. Audio/video instructional information may be provided on schedule or demand to designated learning spaces throughout the Education Center.

Changes in technical equipment and processes occur so rapidly that the function of the RCM should not be fixed. The design should be flexible to permit incorporation of technological improvements without major structural alterations.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
RESOURCE MATERIALS CENTER	—	—	**25,705**	*This area functions as a library and audio/video media area that serves the faculty and students for study and research. In addition, offices are available for librarians, technicians, and other support personnel.*
1. *Library Section*	—	—	**16,850**	• Centrally located and easily accessible to all portions of the Center. • Limited entrances. • Area should be aesthetically inviting and acoustically treated.
a. Lobby	—	1	1,000	• Includes directional center. • Facilitates general traffic circulation. • Display cases. • Relate to major reading study areas, conference rooms and Director's Secretary/Reception Area.
b. Circulation Desk	3	1	600	• Loan-reserve desk, reserve stacks, and charge desk. • Work space for staff and student assistants. • Supervision of Catalog Area, Special Collection Room, and Typing Room. • Relate to Reference/Periodical and General Reading areas.
c. Catalog Area	—	1	400	• Adjacent to circulation desk. • Index card files and counter space.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
d. General Reading/Stacks/and Study Carrels	300	1	10,000	• Tables, chairs, and lounge furniture. • Scattered perimeter and low free-standing stacks. • Shelving for 25,000 volumes. • Wet and dry study carrels. • Relate to Catalog Area and Reference/Periodical Area.
e. Reference/Periodical Area	100	1	3,000	• Reference Area merges with Periodical Area. • Relate to Catalog Area, Circulation Desk, and General Reading Area. • Shelves for 2,000 volumes. • Tables, chairs, and study carrels. • Magazine racks. • Microfilm and microfiche readers (low lighting). • Microfilm storage.
f. Conference Room (Divisible)	10	1	750	• Seminar Area. • Relate to General Reading Room. • Sound control. • Chalkboards and AV projection screen. • Divisible into 4 seminar rooms.
g. Faculty Research Room	10	1	300	• Visual privacy. • Study tables and lounge chairs. • Relate to Stacks and Reference/Periodical Area.
h. Special Collection Room	—	1	400	• Storage of rare collections. • Entrance supervised from Circulation Desk. • Secure room. • Secured display cases.
i. Typing Room	15	1	400	• Relate to Stacks and Reference/Periodical Area. • Visual supervision from Circulation Area. • Sound isolation. • Manual and electric typewriters.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
2. *Office Section (Library)*	—	—	**2,250**	• Contains administration offices and book processing services. • Relate to Library Section and AV Complex.
a. Director's Office	5	1	150	• Access from Lobby via Secretary/Reception Area. • Relate to Processing Room. • Conference-work area. • Chairs for 4 visitors. • Exterior exit. • Perimeter shelving.
b. Assistant Director's Office	3	1	125	• Relate to Director's Office. • Conference-work area. • Chairs for visitors. • Perimeter storage and display.
c. Secretary-Reception Area (Shared with AV Office Section)	4	1	275	• Controls access to Director's and Assistant Director's Office. • Chairs for visitors. • Direct access to Lobby. • Relate to Processing Room and Shipping/Receiving Room.
d. Staff Room	6	1	200	• Comfortable lounge furniture. • Counter, water, and sink. • Relate to Director's Office. • Access to general circulation.
e. Processing Room	—	1	800	• Direct access to Shipping/Receiving Room, convenient to Director's Office, and related to Circulation Area and Catalog Area. • Hot-cold water. • Electrical outlets. • Office space for librarian. • Work area for staff members.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
f. Shipping/Receiving Room (Shared with AV Section)	—	1	700	• Adjustable shelving. • Outside loading platform. • Direct access to truck service roads. • Direct access to Processing Room and AV Equipment/Storage/Repair.
3. *Audio-Video Complex*	—	—	**6,330**	• Receives, prepares, and repairs AV equipment and materials. • Relate to Library Section. • Convenient to truck delivery. • Exterior access. • Relate to AV Lobby, but designed as unit separate from Library Section.
a. Lobby	—	1	300	• Entry area from pedestrian circulation into Office Area, Booking Area, Preview Room, Listening Room, and Recording Room.
b. Preview Area	4	1	150	• Relate to Booking Area and Storage Area. • Rheostat light control, acoustical isolation, AV screen, and electrical outlets.
c. AV Booking Area	—	1	200	• AV equipment and materials booked and circulated. • Relate to Lobby, Office Area, Preview Area, and Material Production. • Direct entry from traffic circulation. • Counter with storage.
d. AV Equipment/Storage/Repair	—	1	1,200	• Storage for AV equipment and materials. • Relate to Materials Production, Shipping/Receiving Area, and AV Control. • Area for maintenance of equipment. • Double door with outside exit. • Storage, shelving, and work counters.
e. Shipping/Receiving Area (Shared with Library Section)	—	—	—	• Unpacking incoming materials and packing materials for shipping.

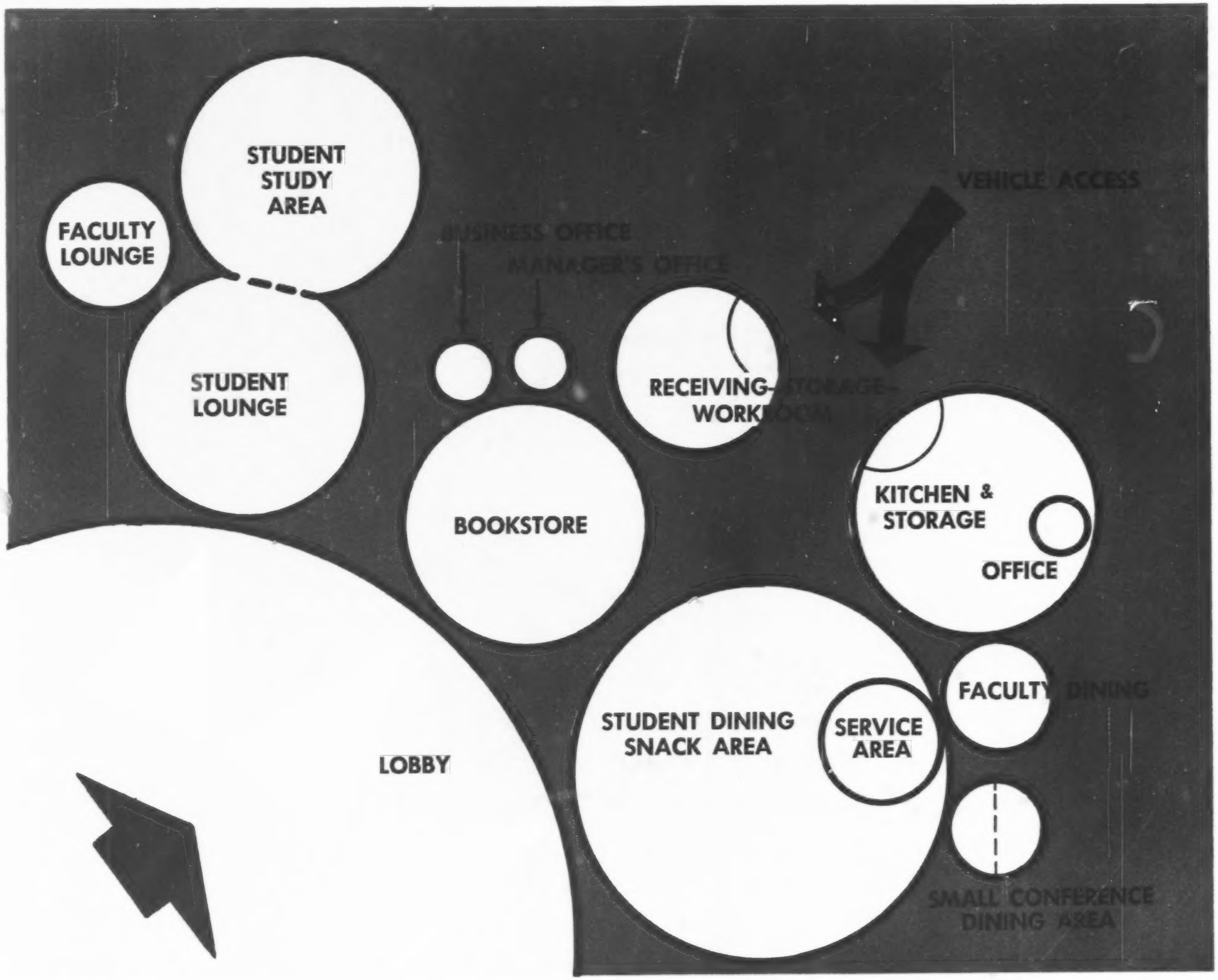
	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Direct access to circulation and truck service roads.
f. AV Recording Room (small)	2	1	80	• Area for tape recording. • Visual control from AV Control and Electronics Room. • Acoustical isolation.
g. AV Recording Room (medium)	10	1	200	• Area for tape recording. • Visual control from AV Control and Electronics Room. • Acoustical isolation.
h. AV Control and Electronics Room	4	1	600	• Control center for AV recording and distribution. • Players for records and tapes. • Relate to AV Storage/Repair and TV Control. • Visual control of Listening Room and Recording Rooms. • Dial-access system. • Video tape recorders and film changers. • Window for program information and requests.
i. Listening Room	50	1	1,000	• Study carrels with dial-access and electrical outlets. • Visual supervision from AV Control Room. • Relate to Lobby and pedestrian circulation.
j. Materials Production (Graphic Arts)	4	1	1,000	• Preparation and storage of graphic materials. • Relate to Lobby and traffic circulation. • Relate to AV Booking, AV Preview Area, and AV Equipment/Storage/Repair. • Work tables. • Direct access to Darkroom.
k. Darkroom	4	1	100	• Light trap. • Independent light control.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Work counter, sink, hot-cold water, and recessed processing tanks.
				• Relate to Materials Production.
				• Storage.
l. TV Studio	—	1	1,000	• Production of television programs and films.
				• Acoustical and light control.
				• Direct access to TV Control.
				• Visual contact between Studio and Control Area.
m. TV Control	—	1	500	• Direct access to TV Studio with visual contact between Control and Studio.
				• Relate to AV Control and Electronics.
				• Provisions to distribute TV programs to classrooms.
				• Area for storage of TV tapes.
4. *Office Section AV*	—	—	275	• AV administrative services.
a. AV Coordinator's Office	3	1	150	• Relate to AV Booking Area.
				• Chairs for visitors.
				• Perimeter shelving.
				• Relate to Assistant AV Coordinator's Office and Secretary.
b. Assistant AV Coordinator's Office	3	1	125	• Scheduling of AV programs.
				• Relate to AV Coordinator's Office and Secretary.
c. Secretary/Reception Area (Shared with Library Office Section)	—	—	—	• Controls access to Assistant and AV Coordinator's Office.
				• Relate to AV Booking Area.
				• Access from AV Lobby Area.

INSTRUCTIONAL AUDITORIUM

The Auditorium will serve for large group instruction and can be divided into six separate class spaces. Each section must allow audio-video reception, visual projection, instructional presentation, and optimum environmental conditions. The Auditorium should be centrally located and near the Administration Complex and the RMC.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
INSTRUCTIONAL AUDITORIUM	300	1	4,500	*Instructional area for lectures and demonstrations.*
(Divisible into 6 spaces: 1 @ 90 capacity 2 @ 60 capacity 3 @ 30 capacity)				• Divisible by operable walls into several sized areas. • Each space equipped for AV and TV. • Flat floor surface and movable table for teaching stations. • Each space with individual access. • Each space to have adequate acoustical isolation, air circulation, thermal control and artificial lighting. • Space at front of Auditorium for portable stage. • Sloped fixed seating Stagger seats for better sight lines. • Rear screen projection for Auditorium. • Operable walls may serve as projection screen and chalkboard. • Relate to Administration Complex.


STUDENT STUDY AREA
FACULTY LOUNGE
STUDENT LOUNGE
BUSINESS OFFICE
MANAGER'S OFFICE
VEHICLE ACCESS
RECEIVING-STORAGE-WORKROOM
BOOKSTORE
KITCHEN & STORAGE
OFFICE
FACULTY DINING
STUDENT DINING SNACK AREA
SERVICE AREA
LOBBY
SMALL CONFERENCE DINING AREA

STUDENT / FACULTY CENTER

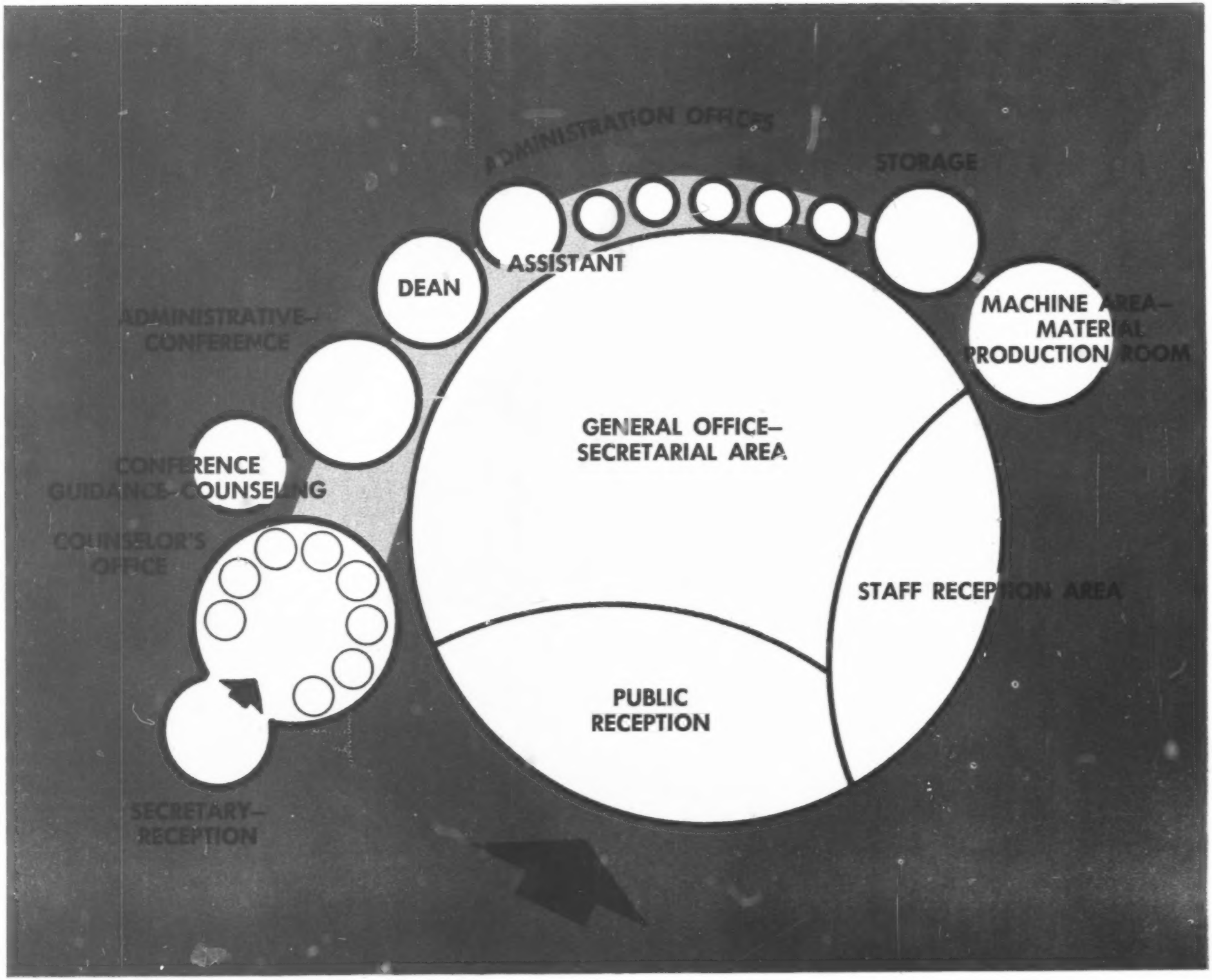
There is a growing awareness of the educational value of student experience and activities that take place in conjunction with the formal curriculum of the school.

The Student/Faculty Center provides a place where students and faculty may congregate and classroom learning may be reinforced through the face-to-face interaction that occurs in an informal setting. The Center houses basic functions for students including a snack bar and vending area, bookstore, and lounge area.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
STUDENT/FACULTY CENTER	—	—	**19,910**	*This area contains an informal gathering place for students and staff, the supporting services of the bookstore, and space for food preparation, serving, and dining for students and faculty.*
1. *Student Services*	—	—	**6,200**	• Informal setting for studying, conversation, or relaxing.
a. Lobby	—	1	1,000	• Direct access to pedestrian circulation. • Relate to Student Lounge and Food Service Area.
b. Student Lounge	—	1	2,000	• Social area with informal and comfortable furniture. • Area for seminars and small group discussions. • Relate to Food Service and Student Study Area.
c. Student Study Area	—	1	2,000	• Individual study area. • Carrels, tables, and lounge furniture. • Perimeter shelves. • Carpeting. • Relate to Lounge Area. Separate from Student Dining/Snack Area.
d. Faculty Lounge	—	1	1,200	• Variety of tables and chairs providing informal atmosphere. • Magazine racks and bookshelves. • Zone area for vending machines. • Direct access to pedestrian circulation. • Relate to Student Lounge and Student Study Area.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
2. *Student Store*	—	—	**3,610**	• Distribution of academic supplies, books, informal reading material, and related items.
a. Bookstore	—	1	2,500	• Perimeter and free-standing bookshelves. • Cashier stations. Additional stations for rush periods. • Exterior cubicles for student-owned items near entrance.
b. Receiving/Storage/Workroom	—	1	800	• Loading dock with steps from dock to street level. Relate to vehicular access roads. • Dock area separate from dock serving Kitchen Area. Large enough to serve 2 or 3 trucks at same time. • Receiving area with counter for processing stock. • Wall shelving for book and supply storage. • Direct access to Bookstore area. • Relate to Offices.
c. Manager's Office	3	1	110	• Visual supervision of sales area. • Direct access to sales area and Business Office.
d. Business Office	4	1	200	• Check-cashing and accounting. • Relate to entrance and exterior circulation, access to Receiving/Storage/Workroom, and direct access to Manager's Office. • Desks and chairs for 2 clerks. • Typewriters and adding machines. • Appropriate security provisions (safe or vault). • Window related to student circulation for check-cashing.
3. *Food Preparation/Service/Dining*	—	—	**10,100**	*Food preparation kitchen. Foods served a la carte in a "scramble" system or vending machine service. Space to seat up to 20% of student enrollment and faculty.*
a. Student Dining/Snack Area	500	1	5,000	• Informal furniture arrangement. • Separate from Faculty Dining Area with movable partition.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Outdoor Patio Area.
				• Relate to vending and a la carte service.
b. Service Area	—	1	1,000	• Service by scramble system or vending machines.
c. Faculty Dining Area (Divisible)	50	1	700	• Separate from Student Dining Area with movable partition.
				• Relate an area to Kitchen for serving.
				• Partition divides space.
d. Conference Dining Area (Divisible)	30	1	400	• Access to Service Area without crossing Student Dining Area.
				• Separate from Faculty Dining Area with movable partition.
				• Divisible with movable partition.
e. Kitchen and Storage	—	1	2,500	• Foodstuff flow pattern from *receiving* to *storage* to *preparation* to *cooking* to *serving*.
				• Direct access to Service Area and Faculty Dining Area.
				• Direct access from unloading dock. Dock area related to vehicular traffic. Space for 2 or more trucks. Separate from Student Store Receiving Area.
				• Walk-in freezer.
				• Dry storage with adjustable shelving.
				• Dishwashers, mixers, ovens and stoves.
f. Office	2	1	100	• Visual supervision of Kitchen.
				• Relate to Receiving Area.
g. Restrooms/Lockers	—	1	—	• Change area.
				• Direct access to Kitchen.
				• Relate to pedestrian circulation.
(Men)	2	1	100	• Lockers, water closet, shower, and urinals.
(Women)	8	1	300	• Lockers, water closets, and shower.
				• Chairs, sofa, and cot.


ADMINISTRATION OFFICES
STORAGE
DEAN
ASSISTANT
ADMINISTRATIVE–
CONFERENCE
MACHINE AREA–
MATERIAL
PRODUCTION ROOM
GENERAL OFFICE–
SECRETARIAL AREA
CONFERENCE
GUIDANCE–COUNSELING
COUNSELOR'S
OFFICE
STAFF RECEPTION AREA
PUBLIC
RECEPTION
SECRETARY–
RECEPTION

ADMINISTRATION COMPLEX

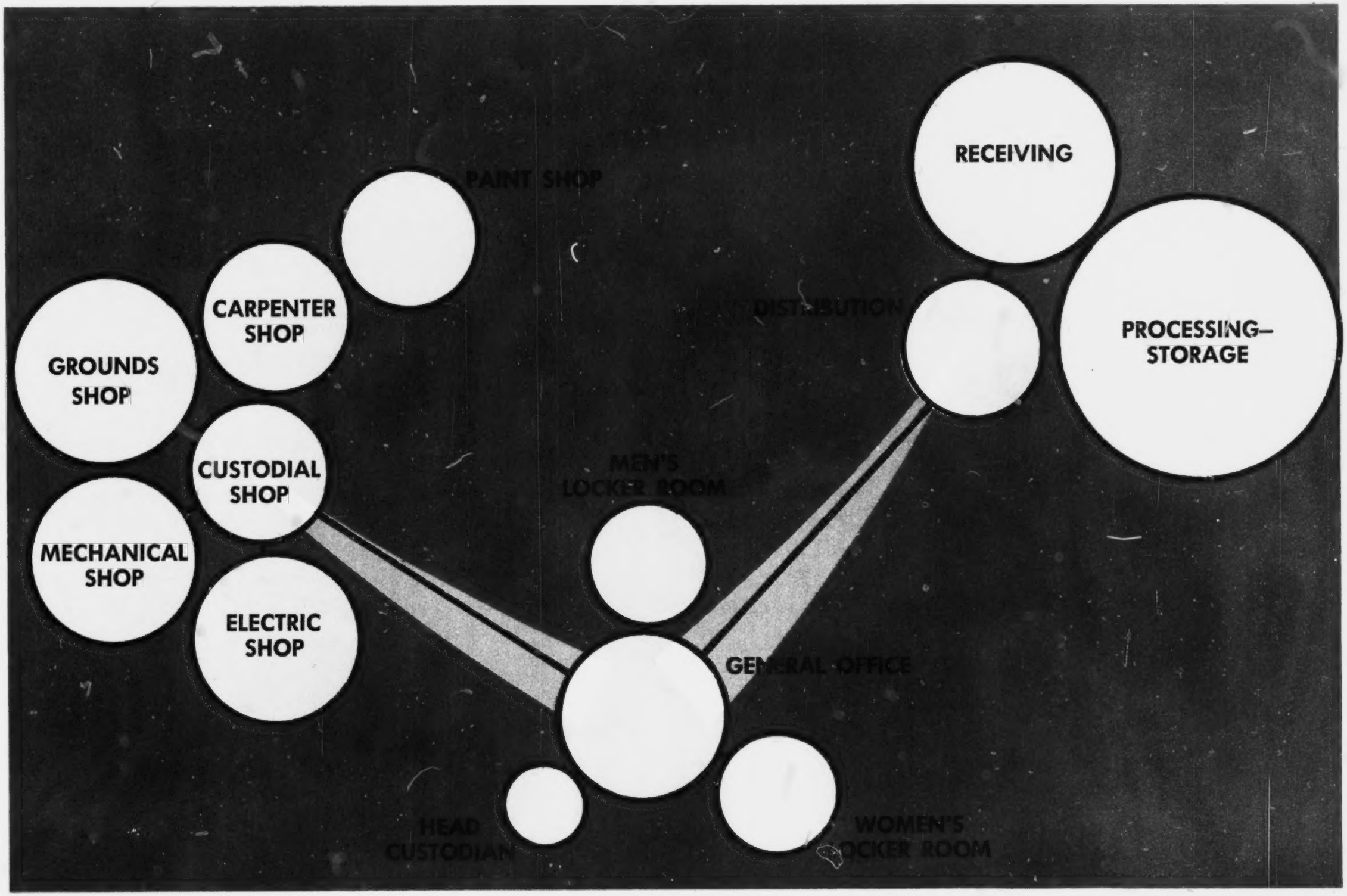
The Administration Complex serves as the focal point for coordination and communication of academic activities.

This Complex should be designed for administrative efficiency. The General Office/Reception Area serves as the core of the Complex. Around the core are rooms that provide for administrative services, guidance/counseling, conferences, storage, duplicating machines, and related clerical activities.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
ADMINISTRATION COMPLEX	—	—	**4,200**	***This area should be aesthetically pleasing, carpeted, air-conditioned, and located near the main pedestrian circulation.***
1. ***General Office/Secretary/Reception Area***	—	—	**1,500**	• Public and student reception. • Work area for secretaries.
a. Public Reception	—	1	500	• Public entrance for students, visitors and appointees. • Area visible and served by secretarial staff. • Counter divides Reception Area from Secretary Area. • Lounge furniture for appointees.
b. General Office/Secretary Area	10	1	700	• Secretarial work area. • Desks, typist chairs, and typewriters. • Counter separates work area from Public and Staff Reception. • Electrical outlets. • Mail and inter-district communication distribution. • Controls access to Administration Offices. • Direct access to Storage Room and Machine Production Room.
c. Staff Reception Area	8	1	300	• Serves instructional staff. • Mail and inter-district correspondence distribution. • Visual separation from Public Reception area.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
2. *Storage Room*	—	1	200	• Adjustable shelving. • Direct access to General Office Area and Machine Area.
3. *Machine Area/Material Production Room*	—	1	400	• Mimeograph, Xerox and collating machines. • Storage space. • Work counter. • Immediate access to Storage Room and Secretary Area.
4. *Administration Offices*	—	—	750	• Relate to General Office/Secretary Area.
a. Administrative Dean	4	1	200	• Chairs for 3 visitors. • Immediate access to General Office/Secretary Area. • Public entrance via General Office Area. • Direct access to main pedestrian circulation. • Relate to Administration Offices and Conference Area.
b. Assistant Administrative Deans (2 @ 125 sq. ft. ea.)	4	2	250	• Direct access to General Office/Secretary Area and main traffic circulation. • Chairs for 3 people. • Relate to other Administration Offices and Conference Area.
c. General Offices (3 @ 100 sq. ft. ea.)	3	3	300	• Individual offices for administrative staff. • Relate to other Administration Offices. • Direct access to General Office/Secretary Area. • Relate to Conference Room.
5. *Conference Room (Divisible)*	15	1	300	• Relate to Administration Offices. • Controlled public access via General Office/Secretary Area. • Entrance for staff from main circulation. • Movable partition to divide area.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Chalkboard, tackboard, and AV projection screen in each area.
				• Serving area with counter, shelves, and electrical outlet.
				• Coat storage.
6. *Guidance/Counseling*	—	—	1,050	• Office area for counselors and secretaries.
a. Counselors' Offices (8 @ 75 sq. ft. ea.)	1	8	600	• Individual offices with privacy (visually and acoustically).
				• Chairs for counselees.
				• Desk, file cabinet, and bookshelves.
				• Direct access to Secretary/Reception Area.
				• Relate to Conference Room.
b. Secretary/Reception Area	6	1	250	• Desk and typist chair.
				• Controls access to Counselors' Offices and Conference Room.
				• Reception and waiting area for several counselees.
				• Shelves for display of vocational/educational information.
				• Storage.
				• Direct access from main pedestrian circulation.
c. Conference/Testing Room (Divisible)	15	1	200	• Movable tables and chairs.
				• Direct access to Secretary/Reception Area.
				• Relate to Counselors' Offices.


PAINT SHOP
CARPENTER SHOP
GROUNDS SHOP
CUSTODIAL SHOP
MECHANICAL SHOP
ELECTRIC SHOP
RECEIVING
DISTRIBUTION
PROCESSING–STORAGE
MEN'S LOCKER ROOM
GENERAL OFFICE
HEAD CUSTODIAN
WOMEN'S LOCKER ROOM

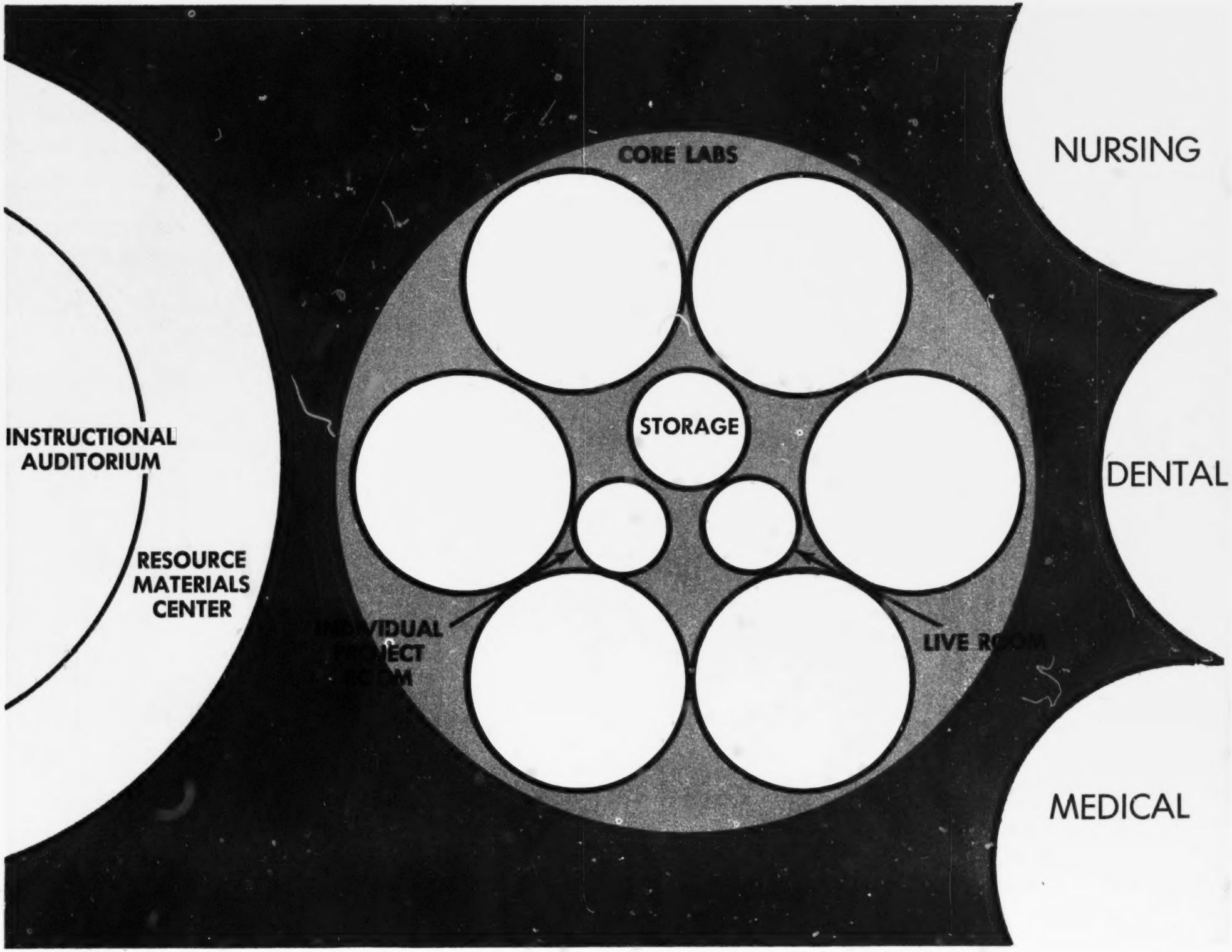
WAREHOUSE AND MAINTENANCE COMPLEX

This Complex contains the headquarters for the custodial staff including an office for the head custodian, a general office, and a locker area for clothing change. Supplies and equipment required for the instructional program and maintenance are received, stored, and distributed through this Complex. In addition, repair and maintenance tasks are performed in the Electrical, Mechanical, Carpenter, and Paint Shops.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
WAREHOUSE AND MAINTENANCE COMPLEX	—	—	**7,600**	*This area serves for processing and distributing supplies and materials, offices for the custodial staff, and for maintenance and repair of various furniture and equipment.*
1. *Receiving, Processing/Storage, Distribution*	—	—	**4,200**	• Area for receiving and distributing supplies.
a. Receiving	—	1	700	• Loading dock with steps from dock to street level. • Dock large enough to accommodate 2 or 3 more trucks at same time. • Relate to vehicular service road. • Adjacent to Offices. • Direct access to Processing/Storage and Distribution Areas.
b. Processing/Storage	—	1	3,000	• Open shelving and caged security storage. • Direct access from Receiving and to Distribution. • Short-term storage of furniture and equipment.
c. Distribution	—	1	500	• Open storage area. • Immediate access from Processing/Storage. • Check-out counter. • Access from external traffic. • Relate to Offices and to Maintenance Complex.
2. *Offices*	—	—	**1,300**	• Headquarters for Head Custodian and custodial staff.
a. Head Custodian	4	1	150	• Chairs for 3 visitors. • Chalkboards and tackboards. • Perimeter bookshelves.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
b. General Office	10	1	450	• Home base for custodial staff. • Informal lounge furniture. • Tackboard. • Relate to Distribution and Custodial Shop. • Relate to Locker Rooms. • Direct access from pedestrian circulation.
c. Men's Locker Room	30	1	300	• Lockers and dressing facilities. • Water closet, urinals, and shower stalls. • Relate to General Office area and Maintenance area.
d. Women's Lounge and Locker Room	10	1	400	• Informal lounge with furniture near entrance. • Lockers and dressing facilities. • Water closets and shower stalls. • Relate to General Office.
3. *Maintenance*	—	—	2,100	• Center for maintenance and equipment repair. • Shops arranged around common service entry. • Relate to Locker Rooms and General Office.
a. Custodial Shop	—	1	300	• Workshop-storage area. • Relate to Carpenter/Paint Area and Electric/Mechanical Area.
b. Electric Shop	—	1	300	• Electrical repair and maintenance. • Work bench and storage. • Specialized storage for small parts. • Adjacent to Custodial Shop.
c. Mechanical Shop	—	1	300	• Plumbing and heating maintenance. • Workbench and storage. • Pipe storage.
d. Carpenter Shop	—	1	400	• Carpentry and glass maintenance. • Vertical lumber storage.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
				• Workbench and storage. • Floor space for large equipment. • Electrical outlets. • Relate to outside entrance. • Direct access to Paint Shop.
e. Paint Shop	—	1	300	• Area to be divided into the following: (a) *Storage:* metal shelving. (b) *Work area:* sanding and final preparation. Direct access to painting/drying room. (c) *Painting/drying room:* small booth for wood/metal spraying, counter area for sign painting, balance of area for paint drying.
f. Grounds Shop	—	1	500	• Floor space for grounds equipment. • Workbench, tool storage, and general storage. • Relate to Mechanical/Electric Area. • Space required will depend on site selected.


CORE LABS
NURSING
STORAGE
DENTAL
INSTRUCTIONAL
AUDITORIUM
RESOURCE
MATERIALS
CENTER
LIVE ROOM
MEDICAL

CORE

Several courses, such as Anatomy, Physiology, Physical Science, and Microbiology currently compose the *Core* program. A cross-discipline approach will bring together students from the dental, medical, and nursing fields into a laboratory situation.

This area should be located near the RMC and convenient to the Nursing, Medical, and Dental complexes.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
CORE	—	—	**9,200**	***Labs for Anatomy/Physiology, Physical Science, and Microbiology. Students will study concepts introductory to various health-related areas in a lecture/demonstration setting.***
1. *Core Labs* (ea. @ 1,200 sq. ft.)	30	6	7,200	• Lecture/Demonstration. • Gas, electricity, hot-cold water, and compressed air for each station. • Instructional area includes chalkboard, tackboard, and projection screen. • AV-TV controls, air, gas, electricity, hot-cold water, and compressed air at instructor station. • Direct access to Storage/Preparation. • Relate to Live Room and Individual Project Laboratory.
2. *Storage/Preparation*	—	1	1,000	• Central storage and preparation. • Direct access to Live Room and each Core Lab. • Relate to Individual Project Laboratory. • Counters and storage.
3. *Live Room*	—	1	400	• Divided into zoology and botany zones. • Zones separated by movable partition. • Direct access to Storage/Preparation. • Relate to Core Labs and Individual Project Laboratory. • Temperature and humidity control.
4. *Individual Project Laboratory* (ea. @ 100 sq. ft.)	2	6	600	• Student projects on short- and long-term basis. • Sinks, hot-cold water, electrical outlets, and gas. • Work counter with storage. • Relate to Storage/Preparation and Live Room.

LOCKERS

Lockers must be provided for each student in the Education Center since students will be expected to wear lab coats or uniforms.

The men's lockers will be scattered throughout the Center at convenient locations. Different provisions are needed for the female student. They must change into a uniform and will need a dressing/change area that provides privacy. The women's locker complex should be located convenient to the Nursing, Medical and Dental areas.

	UNIT CAP.	NO. OF UNITS	TOTAL AREA	DESCRIPTION OF FUNCTIONS AND SPECIAL CONSIDERATIONS
LOCKERS	—	—	**5,160**	*Separate locker area for female students.*
1. ***Men's Lockers*** (Estimate that 22% of total student capacity will be male)	—	—	—	• Narrow full-length lockers (600) scattered throughout Center. • Storage of lab coats, books, and personal items.
2. ***Women's Locker Complex*** (Estimate that 78% of total student capacity will be female)	—	1	**4,800**	• Full-length dressing lockers (2,150) for uniforms. • Fixed benches installed in front of lockers. • High capacity ventilating system. • Minimum exhaust-drying system for lockers. • Relate to pedestrian circulation. • Direct access to Cot Area and Dressing/Shower Cubicle. • Mirrors, shelves, and sinks. Separate full-length mirrors. Additional separate sinks.
a. Women's Dressing/Shower Cubicle (ea. @ a 40 sq. ft.)	1	4	160	• Individual Dressing/Shower Cubicles. • Direct access to Locker Complex.
b. Toilets	—	—	—	• Enclosed toilets adjacent to Dressing/Shower Cubicles.
c. Cot Area	6	1	200	• Adjacent to Dressing/Shower Cubicles. • Several cots. • Direct access to Locker Complex.